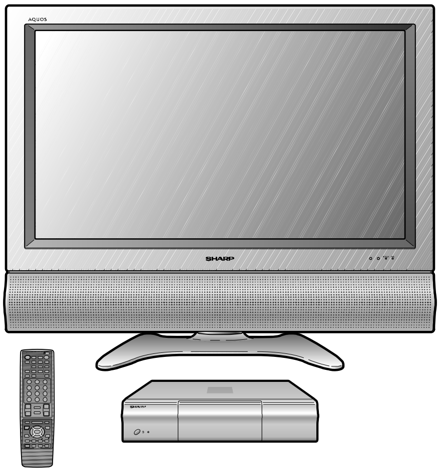
SHARP

SERVICE MANUAL

SY3M1LC37HV6U



LCD COLOR TELEVISION

MODEL LC-37HV6U

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

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SHARP CORPORATION

This document has been published to be used for
after sales service only.
The contents are subject to change without notice.

IMPORTANT SERVICE SAFETY PRECAUTION

- **Service work should be performed only by qualified service technicians who are thoroughly familiar with all safety checks and the servicing guidelines which follow:**

WARNING

1. For continued safety, no modification of any circuit should be attempted.
2. Disconnect AC power before servicing.

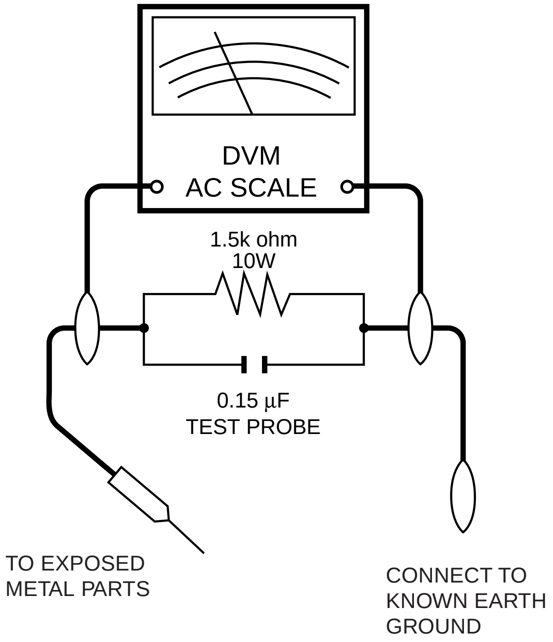
CAUTION: FOR CONTINUED PROTECTION AGAINST A RISK OF FIRE REPLACE ONLY WITH SAME TYPE FUSE.
AVC SIDE: F701 (2A, 250V)
LCD SIDE: F7501, F7502, F7503, F7504, F7551, F7552, F7553, F7611, F7612, F7613, F7614, F7641, F7642, F7643 (800mA, 250V), F2701, F2702 (4A, 250V)

BEFORE RETURNING THE RECEIVER (Fire & Shock Hazard)

Before returning the receiver to the user, perform the following safety checks:

1. Inspect all lead dress to make certain that leads are not pinched, and check that hardware is not lodged between the chassis and other metal parts in the receiver.
2. Inspect all protective devices such as non-metallic control knobs, insulation materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacitor networks, mechanical insulators, etc.
3. To be sure that no shock hazard exists, check for leakage current in the following manner.

- Plug the AC cord directly into a 110~240 volt AC outlet.
- Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15µF capacitor in series with all exposed metal cabinet parts and a known earth ground, such as electrical conduit or electrical ground connected to an earth ground.
- Use an AC voltmeter having with 5000 ohm per volt, or higher, sensitivity or measure the AC voltage drop across the resistor.
- Connect the resistor connection to all exposed metal parts having a return to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor.
  All checks must be repeated with the AC cord plug connection reversed. (If necessary, a nonpolarized adaptor plug must be used only for the purpose of completing these checks.)
  Any reading of 0.75 Vrms (this corresponds to 0.5 mA rms AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the monitor to the owner.



SAFETY NOTICE

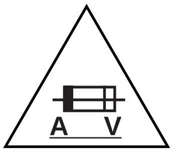
Many electrical and mechanical parts in LCD color television have special safety-related characteristics.
These characteristics are often not evident from visual inspection, nor can protection afforded by them be necessarily increased by using replacement components rated for higher voltage, wattage, etc.
Replacement parts which have these special safety characteristics are identified in this manual; electrical components having such features are identified by " ⚠" and shaded areas in the ***Replacement Parts List*** and ***Schematic Diagrams.***
For continued protection, replacement parts must be identical to those used in the original circuit.
The use of a substitute replacement parts which do not have the same safety characteristics as the factory recommended replacement parts shown in this service manual, may create shock, fire or other hazards.

PRECAUTIONS A PRENDRE LORS DE LA REPARATION

- **Ne peut effectuer la réparation qu' un technicien spécialisé qui s'est parfaitement accoutumé à toute vérification de sécurité et aux conseils suivants.**

AVERTISSEMENT

1. N'entreprendre aucune modification de tout circuit. C'est dangereux.
2. Débrancher le récepteur avant toute réparation.



PRECAUTION: POUR LA PROTECTION CONTINUE CONTRE LES RISQUES D'INCENDIE, REMPLACER LE FUSIBLE
CÔTÉ AVC:F701 (2A, 250V)
CÔTÉ LCD:F7501, F7502, F7503, F7504, F7551, F7552, F7553, F7611, F7612, F7613, F7614, F7641, F7642, F7643 (800mA, 250V), F2701, F2702 (4A, 250V)

VERIFICATIONS CONTRE L'INCEN-DIE ET LE CHOC ELECTRIQUE

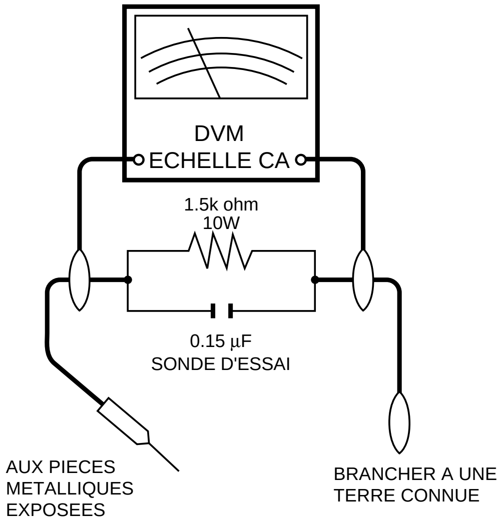
Avant de rendre le récepteur à l'utilisateur, effectuer les vérifications suivantes.

1. Inspecter tous les faisceaux de câbles pour s'assurer que les fils ne soient pas pincés ou qu'un outil ne soit pas placé entre le châssis et les autres pièces métalliques du récepteur.
2. Inspecter tous les dispositifs de protection comme les boutons de commande non-métalliques, les isolants, le dos du coffret, les couvercles ou blindages de réglage et de compartiment, les réseaux de résistance-capacité, les isolateurs mécaniques, etc.
3. S'assurer qu'il n'y ait pas de danger d'électrocution en vérifiant la fuite de courant, de la facon suivante:

- Brancher le cordon d'alimentation directem-ent à une prise de courant de 110-240V. (Ne pas utiliser de transformateur d'isolation pour cet essai).
- A l'aide de deux fils à pinces, brancher une résistance de 1.5 kΩ 10 watts en parallèle avec un condensateur de 0,15µF en série avec toutes les pièces métalliques exposées du coffret et une terre connue comme une conduite électrique ou une prise de terre branchée à la terre.
- Utiliser un voltmètre CA d'une sensibilité d'au moins 5000Ω/V pour mesurer la chute de tension en travers de la résistance.
- Toucher avec la sonde d'essai les pièces métalliques exposées qui présentent une voie de retour au châssis (antenne, coffret métallique, tête des vis, arbres de commande et des boutons, écusson, etc.) et mesurer la chute de tension CA en-travers de la résistance. Toutes les vérifications doivent être refaites après avoir inversé la fiche du cordon d'alimentation. (Si nécessaire, une prise d'adpatation non polarisée peut être utilisée dans le but de terminer ces vérifications.)

  Tous les courants mesurés ne doivent pas dépasser 0,5 mA.

  Dans le cas contraire, il y a une possibilité de choc électrique qui doit être supprimée avant de rendre le récepteur au client.



AVIS POUR LA SECURITE

De nombreuses pièces, électriques et mécaniques, dans les téléviseur ACL présentent des caractéristiques spéciales relatives à la sécurité, qui ne sont souvent pas évidentes à vue. Le degré de protection ne peut pas être nécessairement augmentée en utilisant des pièces de remplacement étalonnées pour haute tension, puissance, etc.

Les pièces de remplacement qui présentent ces caractéristiques sont identifiées dans ce manuel; les pièces électriques qui présentent ces particularités sont identifiées par la marque " ⚠ " et hachurées dans la liste des pièces de remplacement et les diagrammes schématiques.

Pour assurer la protection, ces pièces doivent être identiques à celles utilisées dans le circuit d'origine. L'utilisation de pièces qui n'ont pas les mêmes caractéristiques que les pièces recommandées par l'usine, indiquées dans ce manuel, peut provoquer des électrocutions, incendies, radiations X ou autres accidents.

Precautions for using lead-free solder

1 **Employing lead-free solder**

"PWBs" of this model employs lead-free solder. The LF symbol indicates lead-free solder, and is attached on the PWBs and service manuals. The alphabetical character following LF shows the type of lead-free solder.

Example:

LFa

Sn-Ag-Cu Indicates lead-free solder of tin, silver and copper.

2 **Using lead-free wire solder**

When fixing the PWB soldered with the lead-free solder, apply lead-free wire solder. Repairing with conventional lead wire solder may cause damage or accident due to cracks.

As the melting point of lead-free solder (Sn-Ag-Cu) is higher than the lead wire solder by 40°C, we recommend you to use a dedicated soldering bit, if you are not familiar with how to obtain lead-free wire solder or soldering bit, contact our service station or service branch in your area.

3 **Soldering**

As the melting point of lead-free solder (Sn-Ag-Cu) is about 220°C which is higher than the conventional lead solder by 40°C, and as it has poor solder wettability, you may be apt to keep the soldering bit in contact with the PWB for extended period of time. However, Since the land may be peeled off or the maximum heat-resistance temperature of parts may be exceeded, remove the bit from the PWB as soon as you confirm the steady soldering condition.

Lead-free solder contains more tin, and the end of the soldering bit may be easily corroded. Make sure to turn on and off the power of the bit as required.

If a different type of solder stays on the tip of the soldering bit, it is alloyed with lead-free solder. Clean the bit after every use of it.

When the tip of the soldering bit is blackened during use, file it with steel wool or fine sandpaper.

Be careful when replacing parts with polarity indication on the PWB silk.

Lead-free wire solder for servicing

Part No,	★	Description	Code
ZHNDAi123250E	J	ϕ0.3mm 250g(1roll)	BL
ZHNDAi126500E	J	ϕ0.6mm 500g(1roll)	BK
ZHNDAi12801KE	J	ϕ1.0mm 1kg(1roll)	BM

SPECIFICATIONS

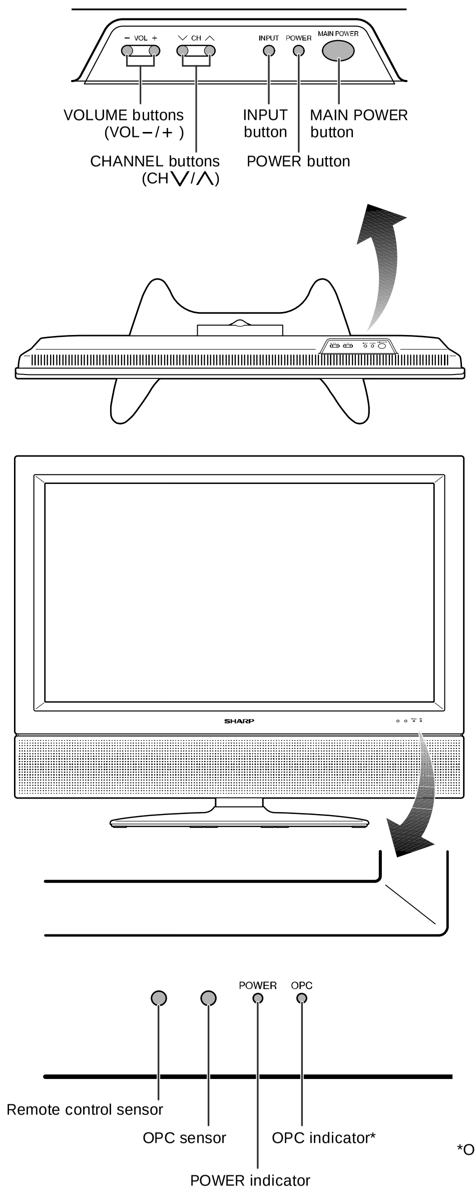
Item				**37" LIQUID CRYSTAL TELEVISION, Model: LC-37HV6U**
LCD panel				37" Advanced Super View & BLACK TFT LCD
Number of dots				3,147,264 dots (1366 × 768 × 3dots)
TV Function	TV-standard (CCIR)			American TV Standard NTSC System
	Receiving Channel	VHF/UHF		VHF 2-13ch, UHF 14-69ch
		CATV		1-125ch
	Audio multiplex			BTSC System
Brightness				430 cd/m^2
Backlight				60,000 hours (at Manual Standard position)
Viewing angles				H : 170° V : 170°
Audio amplifier				10W × 2
Speakers				Ø 8cm 2pcs, Ø 2.5cm 2pcs
Terminals	AVC System	Rear	INPUT 1	S-VIDEO in, AV in, COMPONENT in
			INPUT 2	S-VIDEO in, AV in
			INPUT 3	S-VIDEO in, AV in, COMPONENT in, DVI-HDTV in
			ANTENNA	75 Ω Unbalance, F Type for VHF/UHF/CATV in
			Monitor Out	Audio (Variable, Fixed), S-VIDEO out, AV out
			DC OUTPUT	DC 6.5V 7W MAX
			EXT. SPEAKER	4Ω 10W (L/R)
		Front	INPUT 4	S-VIDEO, AV in
			PC	15 Pin mini D-Sub, Audio in (Ø 3.5mm jack)
			Headphones	Ø 3.5mm jack
OSD language				English/French/Spanish
Power Requirement				AC 110-240 V, 50/60 Hz
Power Consumption	AVC System			42W (0.4W Standby with AC 120 V)
	Display			142W (0.3W Standby with AC 120 V)
Weight	AVC System			12.1lbs./5.5 kg (without stand), 12.3 lbs./5.6 kg (with stand)
	Display			37.3lbs./16.9kg (Display only), 36.6lbs./16.6kg (with Display and speaker), 55.1lbs./25kg (with Display, speaker and stand)
Accessories				Operation manual (×1), Remote control unit (×1), System cable (×1), AC cord (×2), "AA" size battery (×2), AVC sytem stand unit (×1), Cable clamp (Large ×1, Small ×1), RF cable (×1), Registration card (×1)

Specifications are subject to change without prior notice.

OPERATION MANUAL

Part names

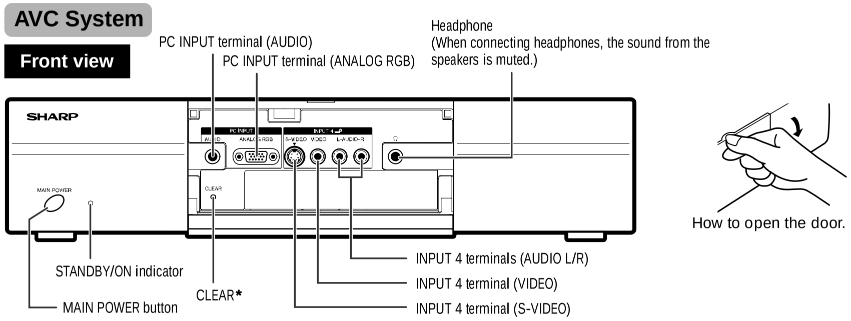
Display


VOL
CH
INPUT
POWER
MAIN POWER
VOLUME buttons (VOL−/+)
CHANNEL buttons (CH∨/∧)
INPUT button
POWER button
MAIN POWER button
SHARP
POWER
OPC
Remote control sensor
OPC sensor
OPC indicator*
POWER indicator

*OPC: Optical Picture Control

AVC System

Front view

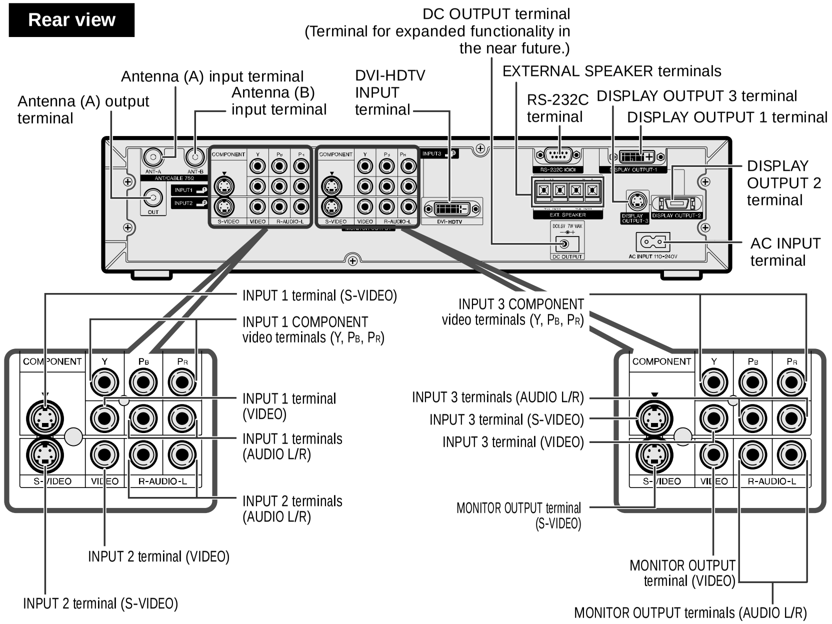

PC INPUT terminal (AUDIO)
PC INPUT terminal (ANALOG RGB)
Headphone
(When connecting headphones, the sound from the speakers is muted.)
SHARP
MAIN POWER
CLEAR
How to open the door.
INPUT 4 terminals (AUDIO L/R)
INPUT 4 terminal (VIDEO)
INPUT 4 terminal (S-VIDEO)
STANDBY/ON indicator
CLEAR*
MAIN POWER button

* If the AVC System is switched on but it does not appear to be operating correctly, it may need resetting. In this case, press **CLEAR**, shown in the diagram, lightly with the end of a ballpoint pen or other pointed object. This will reset the System as shown below.
- AV MODE resets to USER
- TV channel returns to initial channel setting (Air:2ch, Cable:1 or 2ch)
- Twin picture resets to normal
- Audio setting initializes
- Dolby virtual resets to Off
- Image position initializes

NOTE

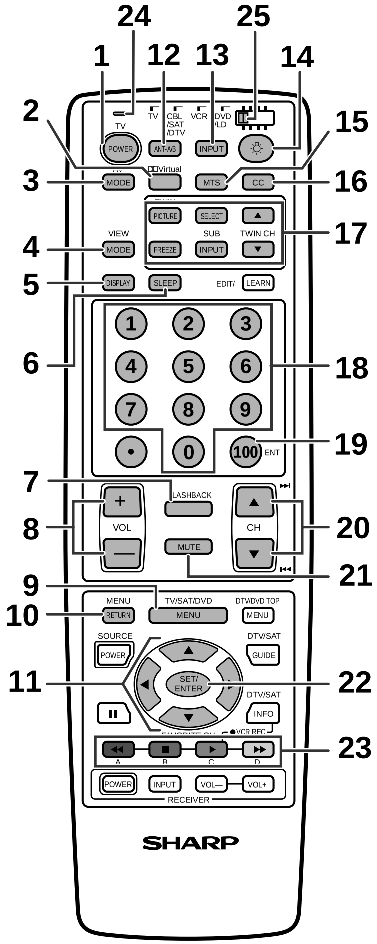
- Pressing **CLEAR** will not work if the System is in standby mode (indicator lights red).
- Pressing **CLEAR** will not delete channel preset or secret number. See page 61 for clearing the secret number when you know it. See page for initializing to the factory preset values when you forget your secret number.

Rear view


DC OUTPUT terminal
(Terminal for expanded functionality in the near future.)
Antenna (A) input terminal
Antenna (B) input terminal
Antenna (A) output terminal
DVI-HDTV INPUT terminal
EXTERNAL SPEAKER terminals
RS-232C terminal
DISPLAY OUTPUT 3 terminal
DISPLAY OUTPUT 1 terminal
DISPLAY OUTPUT 2 terminal
AC INPUT terminal
INPUT 1 terminal (S-VIDEO)
INPUT 1 COMPONENT video terminals (Y, PB, PR)
INPUT 1 terminal (VIDEO)
INPUT 1 terminals (AUDIO L/R)
INPUT 2 terminals (AUDIO L/R)
INPUT 2 terminal (VIDEO)
INPUT 2 terminal (S-VIDEO)
INPUT 3 COMPONENT video terminals (Y, PB, PR)
INPUT 3 terminals (AUDIO L/R)
INPUT 3 terminal (S-VIDEO)
INPUT 3 terminal (VIDEO)
MONITOR OUTPUT terminal (S-VIDEO)
MONITOR OUTPUT terminal (VIDEO)
MONITOR OUTPUT terminals (AUDIO L/R)
COMPONENT
Y
PB
PR
S-VIDEO
VIDEO
R-AUDIO-L

Part names

Remote control unit



1 **TV POWER:** Switch the Liquid Crystal Television power on or off.

2 **◻◻ Virtual*:** Select the Dolby virtual settings.

3 **AV MODE:** Select an audio or video setting.(AV mode: DYNAMIC (Fixed), DYNAMIC,STANDARD, MOVIE, GAME, USER. PC mode: STANDARD, USER.)

4 **VIEW MODE:** Select the screen size.

5 **DISPLAY:** Display the channel information.

6 **SLEEP:** Set the sleep timer.

7 **FLASHBACK:** Return to the previous channel or input external mode.

8 **VOL +/– :** Set the volume.

9 **MENU:** Display the menu screen.

10 **MENU RETURN:** Return to the previous menu screen.

11 **▲/▼/◀/▶:** Select a desired item on the screen.

12 **ANT-A/B:** Select between ANT-A and B to watch broadcasts via the two tuners.

13 **INPUT:** Select a Liquid Crystal Television input source. (TV, INPUT 1, INPUT 2, INPUT 3, INPUT 4, PC)

14 **☼:** When pressed all buttons on the remote control unit will light. The lighting will turn off if no operations are performed within about 5 seconds. This button is used for performing operations in dark places.

15 **MTS:** Select the MTS/SAP.

16 **CC:** Display captions during closed-caption source.

17 **TWIN CH buttons**
TWIN PICTURE: Set the twin picture mode.
Press again to return to normal screen.
FREEZE: Set the still image. Press again to return to normal screen.
SELECT: Select the active screen.
SUB INPUT: Select an input source of sub screen.
TWIN CH ▲/▼: Select the channel of sub screen.

18 **0 – 9:** Set the channel.

19 **100 ENT:** Select the three digit mode. Execute a command of the channel.

20 **CH ▲/▼:** Select the channel.

21 **MUTE:** Mute the sound.

22 **SET/ENTER:** Execute a command.

23 **FAVORITE CH**
A, **B**, **C**, **D:** Select four preset favorite channels in four different categories.
When viewing via ANT-A: up to 16 channels can be assigned in A, B, C and D.
When viewing via ANT-B: up to 16 channels can be assigned in A, B, C and D.
With ANT-A and B combined, you can preset up to 32 favorite channels in advance.

While watching, you can toggle the selected channels by pressing A, B, C and D.

24 **LED for transmission confirmation**

25 **Mode switch**

NOTE

- When using the remote control unit, point it at the Liquid Crystal Television.
- See pages for operating buttons not listed on this page.

* **VIRTUAL DOLBY SURROUND**
Manufactured under license from Dolby Laboratories."Dolby","Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories.

Preparation

Removing the stand and speaker

This unit has detachable type speaker.

You can detach the system speaker when using external amplifier/speaker.
Before detaching (or attaching) speaker, unplug the AC cord from the AC outlet and the system cable from the Display.

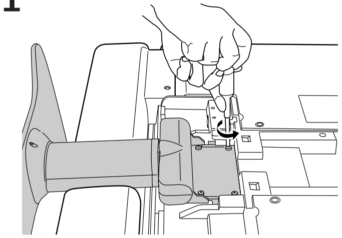
CAUTION

- **When using the TV with the supplied stand attached, do not remove the speaker. Doing so may disturb the balance leading to product damage or personal injury.**

Before attaching/detaching speaker

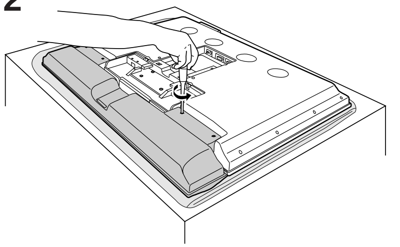
- Before performing work make sure to turn off the System.
- Before performing work spread cushioning over the base area to lay the Display on. This will prevent it from being damaged.

1



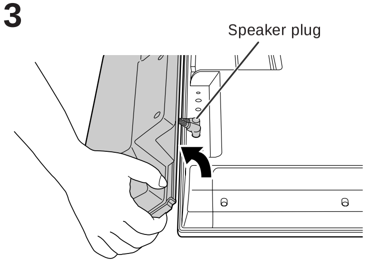
Unfasten the screws used to secure the stand in place, and then detach the stand from the Display.
(Hold the stand so it will not drop the stand from the edge of the base area.)

2



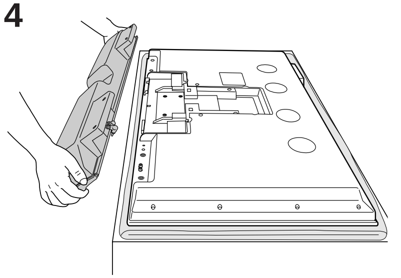
Unfasten the screws used to secure the speaker in place.

3



Take hold of the speaker and slowly slide it sideways.
(The speaker plugs are still inserted, so make sure not to pull the speaker too far.)

4



Remove the speaker plugs from the terminal on the Display.
(Do not remove the plugs by pulling the cord.)
Now the speaker can be detached from the Display.

CAUTION

- The speaker terminals on the Display are only for the attached speaker. Do not connect any third party plug or speaker to the terminal.
- Insert the speaker plug completely into the terminal.

NOTE

- To attach the speaker, perform the above steps in reverse order.

Preparation

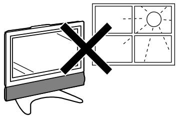
Where to place the System

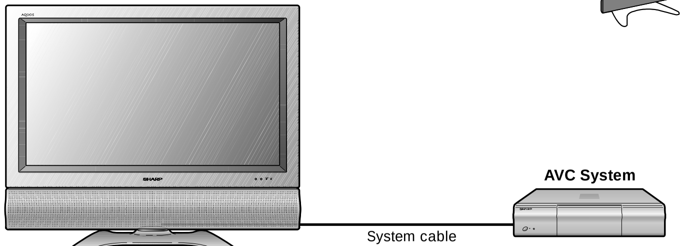
"System" means the Display and AVC System. First select the location where to place the System.

1

Selecting the location of the System

- Select a place with no direct sunlight and good ventilation.
- The Display and the AVC System are connected by the system cable.





If you want to keep a longer distance between the Display and AVC System, please purchase the optional system cable AN-07SC1 (about 23 feet/7 meters).

IMPORTANT

- **You cannot use external speakers when you are using the optional system cable (AN-07SC1).**

2

Setting the System in place

Handling the Display

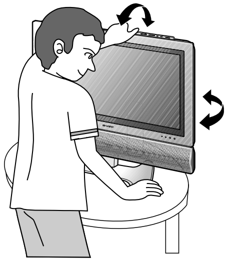
CAUTION

- The Display is very heavy. Move it with two or more people.
- Do not remove the stand from the Display unless using an optional bracket to mount it.
- Keep enough space above and behind the Display.

Handling the AVC System

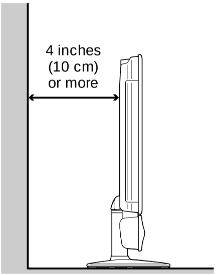
CAUTION

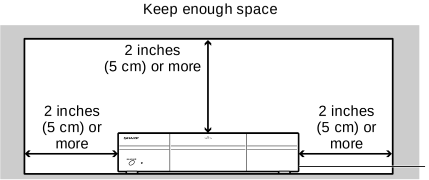
- Do not put a VCR or other device on the AVC System.
- Keep enough space above and on the sides of the AVC System.
- Do not block the ventilation openings on the top and left side, and the exhaust fan on the right side.
- Do not spread a thick cloth beneath the AVC System, or cover it with one, as this can cause overheating and result in malfunction.



CAUTION

Adjust the screen with both hands. Put one hand on the Display and tilt the screen while steadying the stand with your other hand.
You can adjust the screen vertically up to 4 degrees forward or 6 degrees backward, or rotate 10 degrees horizontally.





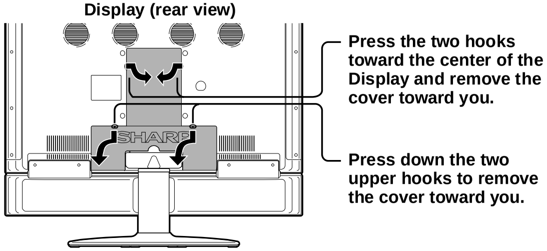
There is an exhaust fan on the right side.

Setting the System

After putting the Display and the AVC System in place, connect the system cables and AC cords. Use the cable clamps for bundling the cables.

1

Removing the terminal cover

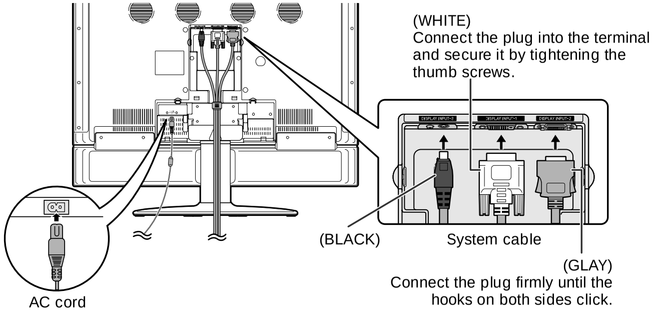


Press the two hooks toward the center of the Display and remove the cover toward you.

Press down the two upper hooks to remove the cover toward you.

2

Connecting the system cable and the AC cord to the Display

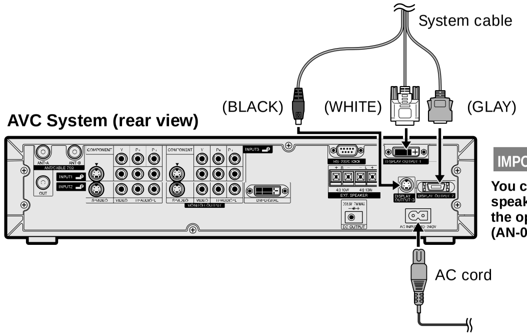


(WHITE) Connect the plug into the terminal and secure it by tightening the thumb screws.

(GLAY) Connect the plug firmly until the hooks on both sides click.

3

Connecting the system cable and the AC cord to the AVC System



IMPORTANT

You cannot use external speakers when you are using the optional system cable (AN-07SC1).

CAUTION

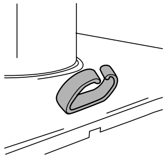
- **TO PREVENT RISK OF ELECTRIC SHOCK, DO NOT TOUCH UN-INSULATED PARTS OF ANY CABLES WITH THE AC CORD CONNECTED.**

Preparation

4 Attaching the clamps and bundling the cables with the clamp

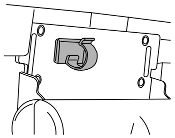
Cable clamp (Large)

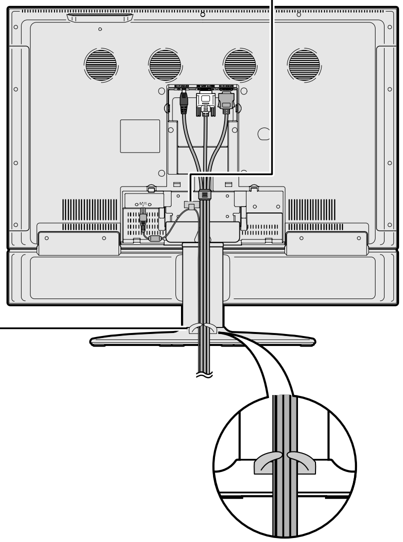
Insert the cable clamp in the hole on the Display leg as shown.



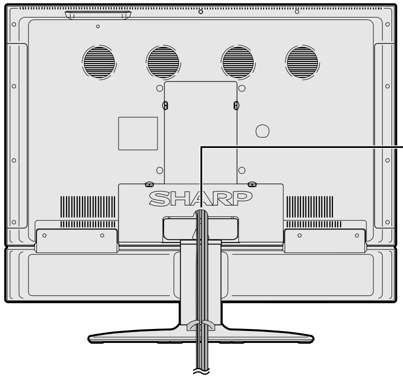
Cable clamp (Small)

Peel off the seal on the back and attach as shown.




Display (rear view)

5 Closing the terminal cover



Cables come out from the small opening.

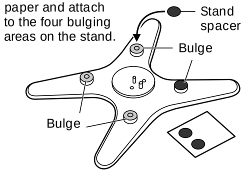
Setting the AVC System with the stand

How to install the AVC System vertically using the stand unit.

- Use the supplied stand unit for installing the AVC System vertically in an upright position.

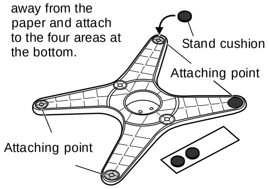
1 Stick each spacer to the stand as shown.

Peel each spacer away from the paper and attach to the four bulging areas on the stand.



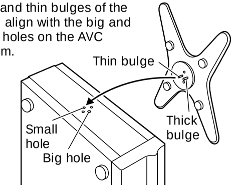
2 Attach each cushion to the stand as shown.

Peel each cushion away from the paper and attach to the four areas at the bottom.

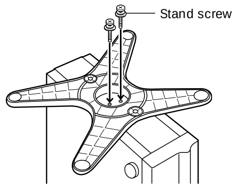


3 Fit the stand to the AVC System.

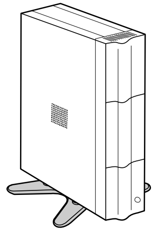
Insert the stand into the AVC System, making sure that the thick and thin bulges of the stand align with the big and small holes on the AVC System.



4 Attach the stand using the stand screws as shown.



The AVC System installed vertically with the stand.



NOTE

- When mounting the AVC System vertically, always use the supplied stand. Be careful not to block vent holes when standing up directly on the floor or a flat surface as this can result in equipment failure.

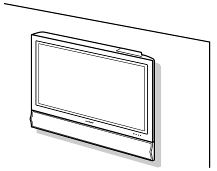
Setting the Display on the wall

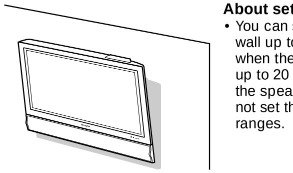
Using an optional bracket to mount the Display

- You can ask a qualified service personnel about using an optional AN-37AG1 bracket to mount the Display to the wall.
- Carefully read the instructions that come with the bracket before beginning work.

Hanging on the wall

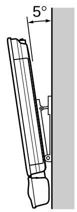
AN-37AG1 wall mount bracket. (See the bracket instructions for details.)


Vertical mounting


Angular mounting

About setting the Display angle

- You can set the Display on the wall up to 5 degrees forward when the speaker is attached and up to 20 degrees forward when the speaker is not attached. Do not set the angle outside those ranges.

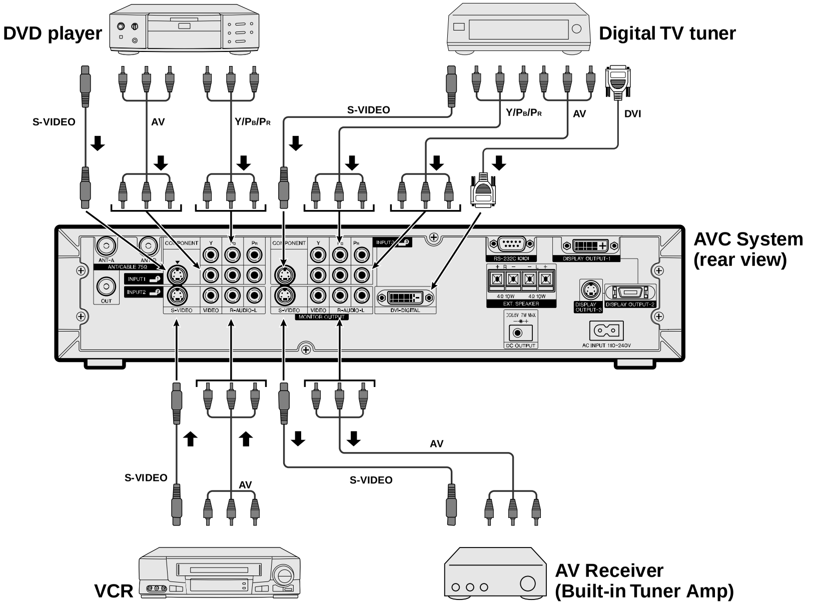


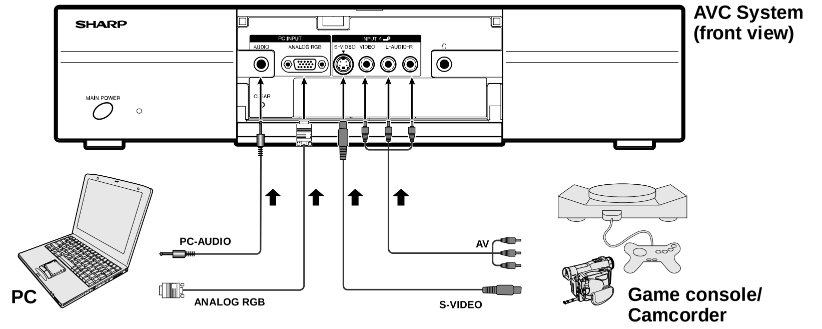
CAUTION

- Installing the Liquid Crystal Television requires special skill that should only be performed by qualified service personnel. Customers should not attempt to do the work themselves. SHARP bears no responsibility for improper mounting or mounting that results in accident or injury.

Using external equipment

You can connect many types of external equipment to your System, like a DVD player, VCR, Digital TV tuner, PC, game console and camcorder. To view external source images, select the input source from **INPUT** on the remote control unit or on the Display.


DVD player
Digital TV tuner
S-VIDEO
AV
Y/PB/PR
S-VIDEO
Y/PB/PR
AV
DVI
AVC System (rear view)
S-VIDEO
AV
AV
S-VIDEO
VCR
AV Receiver (Built-in Tuner Amp)


AVC System (front view)
SHARP
PC-AUDIO
AV
PC
ANALOG RGB
S-VIDEO
Game console/ Camcorder

CAUTION

- To protect all equipment, always turn off the AVC System before connecting to a DVD player, VCR, Digital TV tuner, PC, game console, camcorder or other external equipment.

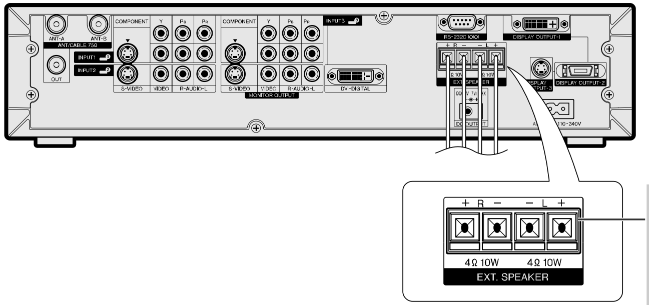
NOTE

- Please refer to the relevant operation manual (DVD player, PC, etc.) carefully before making connections.

Useful adjustment settings

Connecting external speakers

Rear view

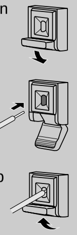

+ R –
– L +
4Ω 10W
4Ω 10W
EXT. SPEAKER

How to connect the speaker cable

① Push down the tab.

② Insert the end of the cable.

③ Lift the tab back up.



When using external speakers
- Change the speaker setting to external speakers.

Make sure to connect the speaker terminal and cable polarity (+ , –) properly
- The speaker terminals have plus (+) and minus (–) polarity.
- Plus is red and minus is black.
- The cables are also divided into plus and minus.
- When connecting the left/right speakers, be sure to connect the plus/minus terminals with the correct cables.

NOTE

- Unplug the AC cord from the AC outlet before installing the speakers.

CAUTION

- Make sure external speakers have 4 ohm and 10 watt specifications.
- Connect the plus/minus terminals with the correct cables. Incorrect connection may cause a short.

Basic adjustment settings

AV input mode menu items

List of AV menu items to help you with operations

Picture

- **OPC**
- **Backlight**
- **Contrast**
- **Black Level**
- **Color**
- **Tint**
- **Sharpness**
- **Advanced**
  - **C.M.S.**
  - **Color Temp**
  - **Black**
  - **3D-Y/C**
  - **Monochrome**
  - **Film Mode**
  - **I/P Setting**

Audio

- **Treble**
- **Bass**
- **Balance**
- **Dolby Virtual**

Power control

- **No Signal Off**
- **No Operation Off**

Setup

- **EZ Setup**
- **CH Setup**
- **Speaker**
- **Input Signal**
- **Parental CTRL**
- **Position**
- **Picture Flip**
- **Language**

Option

- **Audio Only**
- **Input Select**
- **DNR**
- **Audio Out**
- **Quick Shoot**

PC input mode menu items

List of PC menu items to help you with operations

Picture

- **OPC**
- **Backlight**
- **Contrast**
- **Black Level**
- **Red**
- **Green**
- **Blue**
- **C.M.S.**

Audio

- **Treble**
- **Bass**
- **Balance**
- **Dolby Virtual**

Power control

- **Power Management**

Setup

- **Input Signal**
- **Speaker**
- **Auto Sync.**
- **Fine Sync.**
- **Picture Flip**
- **Language**

Option

- **Audio Only**
- **Audio Out**
- **Quick Shoot**

Appendix

PC compatibility chart

PC/MAC	Resolution		Horizontal Frequency	Vertical Frequency	VESA Standard
PC	VGA	640 x 400	31.5 kHz	60 Hz	
			37.9 kHz	85 Hz	O
		720 x 400	31.5 kHz	60 Hz	
			37.9 kHz	85 Hz	O
		640 x 480	31.5 kHz	60 Hz	O
			37.9 kHz	72 Hz	O
			37.5 kHz	75 Hz	O
			43.3 kHz	85 Hz	O
	WVGA	848 x 480	31.5 kHz	60 Hz	
	SVGA	800 x 600	35.1 kHz	56 Hz	O
			37.9 kHz	60 Hz	O
			48.1 kHz	72 Hz	O
			46.9 kHz	75 Hz	O
			53.7 kHz	85 Hz	O
	XGA	1024 x 768	48.4 kHz	60 Hz	O
			56.5 kHz	70 Hz	O
			60.0 kHz	75 Hz	O
			68.7 kHz	85 Hz	O
	WXGA	1280 x 720	45.0 kHz	60 Hz	
		1280 x 768	48.1 kHz	60 Hz	
	SXGA	1280 x 1024	64.0 kHz	60 Hz	O
MAC13"	VGA	640 x 480	34.9 kHz	67 Hz	
MAC16"	SVGA	832 x 624	49.7 kHz	75 Hz	
MAC19"	XGA	1024 x 768	60.2 kHz	75 Hz	

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DDC is a registered trademark of Video Electronics Standards Association.
Power Management is a registered trademark of Sun Microsystems, Inc.
VGA and XGA are registered trademarks of International Business Machines Co., Inc.

Appendix

RS-232C port specifications

PC Control of the System

- When a program is set, the Display can be controlled from the PC using the RS-232C terminal.
  The input signal (PC/AV) can be selected, the volume can be adjusted and various other adjustments and settings can be made, enabling automatic programmed playing.
- Attach an RS-232C cable cross-type (commercially available) to the supplied Din/D-Sub RS-232C for the connections.

NOTE

- This operation system should be used by a person who is accustomed to using computers.

Communication conditions

Set the RS-232C communications settings on the PC to match the display's communications conditions.
The Display's communications settings are as follows:

Baud rate:	9,600 bps
Data length:	8 bits
Parity bit:	None
Stop bit:	1 bit
Flow control:	None

Communication procedure

Send the control commands from the PC via the RS-232C connector.
The display operates according to the received command and sends a response message to the PC.
Do not send multiple commands at the same time. Wait until the PC receives the OK response before sending the next command.

Command format

Eight ASCII codes + CR

C1	C2	C3	C4	P1	P2	P3	P4	↵

Command 4-digits Parameter 4-digits Return code

Command 4-digits:Command. The text of four characters.
Parameter 4-digits:Parameter 0 – 9, x, blank, ?

Parameter

Input the parameter values, aligning left, and fill with blank(s) for the remainder. (Be sure that 4 values are input for the parameter.)
When the input parameter is not within an adjustable range, "ERR" returns. (Refer to "Response code format".)
No problem to input any numerical value for "x" on the table.

0			
0	0	0	9
–	3	0	
1	0	0	
0	0	5	5

When "?" is input for some commands, the present setting value responds.

?			
?	?	?	?

Response code format

Normal response

O	K	↵

Return code (0DH)

Problem response (communication error or incorrect command)

E	R	R	↵

Return code (0DH)

Command table

- About the command except being indicated here, it is outside the guarantee range of operation.

CONTROL ITEM		COMMAND	PARAMETER	CONTROL CONTENTS	
POWER SETTING		P O W R	0 _ _ _		It shifts to standby.
INPUT SELECTION A	TOGGLE	I T G D	x _ _ _	(Toggle)	It input-switches by the toggle. (It is the same as an input change key)
	TV	I T V D	0 _ _ _		It input-switches to TV. (A channel remains as it is. (Last memory))
	INPUT1-4	I A V D	* _ _ _	Input terminal number (1–4)	It input-switches to INPUT1~INPUT4.
	PC	I P C D	x _ _ _		It input-switches to PC.
INPUT SELECTION B	INPUT 1	I N P 1	0 _ _ _	AUTO	An input change is also included.
			1 _ _ _	AV-Y/C	
			2 _ _ _	COMPONENT	
	INPUT 3	I N P 3	0 _ _ _	AUTO	
			1 _ _ _	AV-Y/C	
			2 _ _ _	COMPONENT	
			3 _ _ _	DVI	
AV MODE SELECTION		A V M D	0 _ _ _	(Toggle)	Although it can choose now, it is toggle operation in inside.
			1 _ _ _	STANDARD	
			2 _ _ _	DYNAMIC	
			3 _ _ _	DYNAMIC (Fixed)	
			4 _ _ _	MOVIE	
			5 _ _ _	GAME	
			6 _ _ _	USER	
VOLUME		V O L M	* * _ _	Volume (0–60)	
POSITION	H-POSITION	H P O S	* * * _	AV mode. (±10)	
			* * * _	PC mode. (± 90)	
	V-POSITION	V P O S	* * * _	AV mode. (± 30)	
			* * * _	PC mode. (± 60)	
	CLOCK	C L C K	* * * _	Only PC mode. (± 90)	
	PHASE	P H S E	* * * _	Only PC mode. (± 20)	
VIEWMODE		W I D E	0 _ _ _	(Toggle) [AV]	Although it can choose now, it is toggle operation in inside.
			1 _ _ _	Side Bar [AV]	
			2 _ _ _	S.Stretch [AV]	
			3 _ _ _	Zoom [AV]	
			4 _ _ _	Stretch [AV]	
			5 _ _ _	Normal [PC]	
			6 _ _ _	Stretch [PC]	
			7 _ _ _	Dot by Dot [PC]	
			8 _ _ _	Zoom [PC]	
SRS		S R S S	0 _ _ _	(Toggle)	Toggle operation.
			1 _ _ _	Off	
			2 _ _ _	SRS	
			3 _ _ _	FOCUS	
			4 _ _ _	FOCUS + SRS	
TWIN PICTURE		T W I N	0 _ _ _	One screen	
			1 _ _ _	Twin screens	
CHANNEL	DIRECT CHANNEL	D C C H	* * * _	The channel number of TV (1~125)	An input change is included if it is not TV display. In Air, 2–69ch is effective. In Cable, 1–125ch is effective.
	CH UP	C H U P	x _ _ _	The channel number of TV + 1	If it is not TV display, it will input-switch to TV.
	CH DOWN	C H D W	x _ _ _	The channel number of TV —1	If it is not TV display, it will input-switch to TV.
ANT-A/B		A N T S	x _ _ _	(Toggle)	Change toggle operation of tuner A/B.
CC		C L C P	0 _ _ _	(Toggle)	Toggle operation of a closed caption.
			1 _ _ _	OFF	
			2 _ _ _	CC1	
			3 _ _ _	CC2	
			4 _ _ _	T1	
			5 _ _ _	T2	

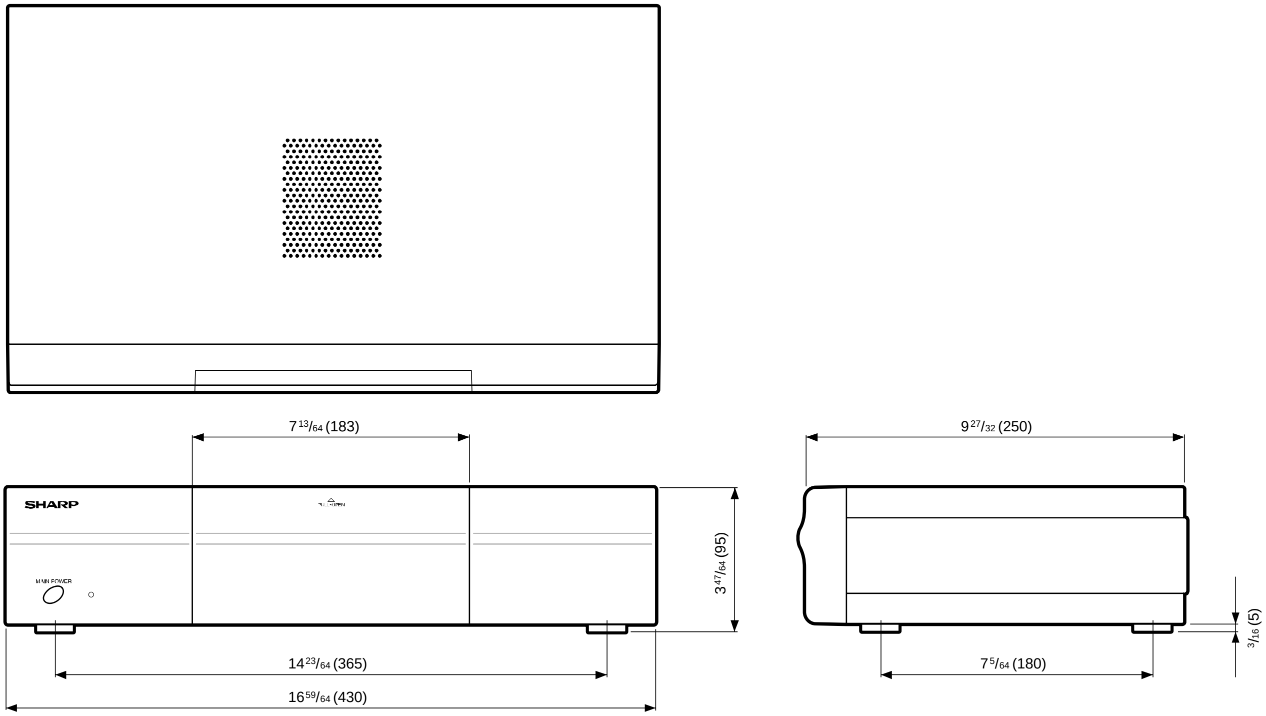
NOTE

- If an underbar (_) appears in the parameter column, enter a space.
- If an asterisk (*) appears, enter a value in the range indicated in brackets under CONTROL CONTENTS.
- As long as that from which the parameter (×) in the table is a numerical value, it may write anything.

DIMENSIONS

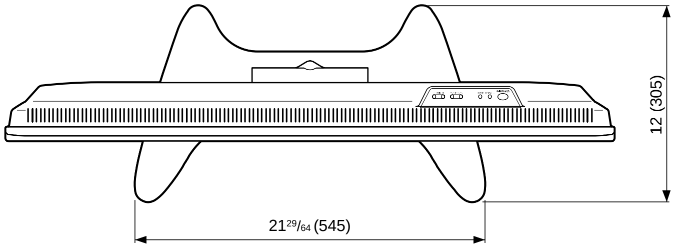
AVC System

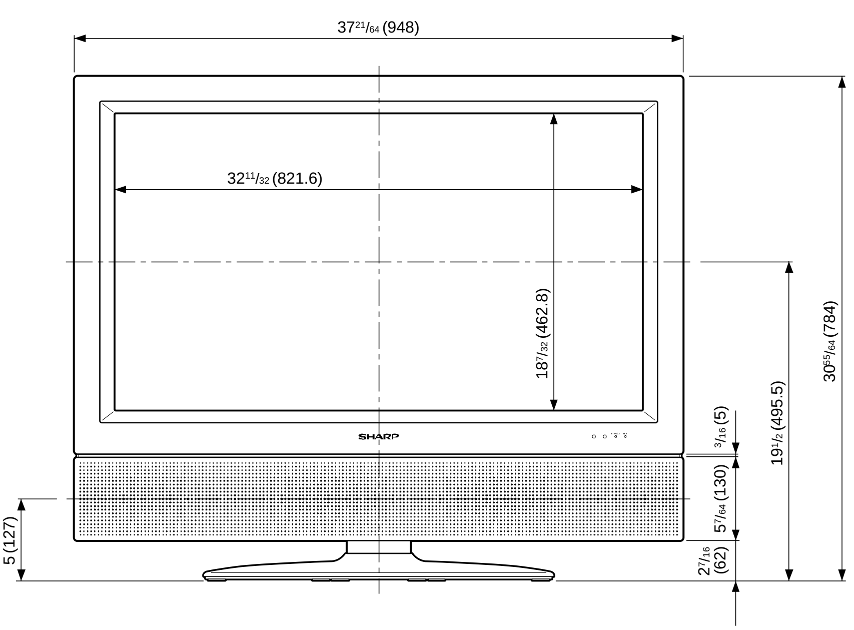
Unit: inch/(mm)

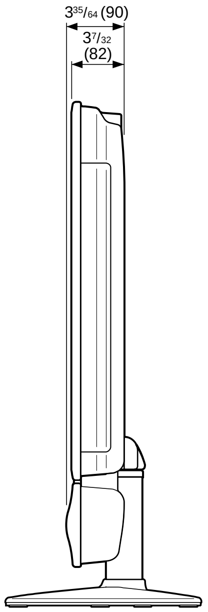

7 13/64 (183)
9 27/32 (250)
SHARP
MAIN POWER
3 47/64 (95)
3/16 (5)
14 23/64 (365)
7 5/64 (180)
16 59/64 (430)

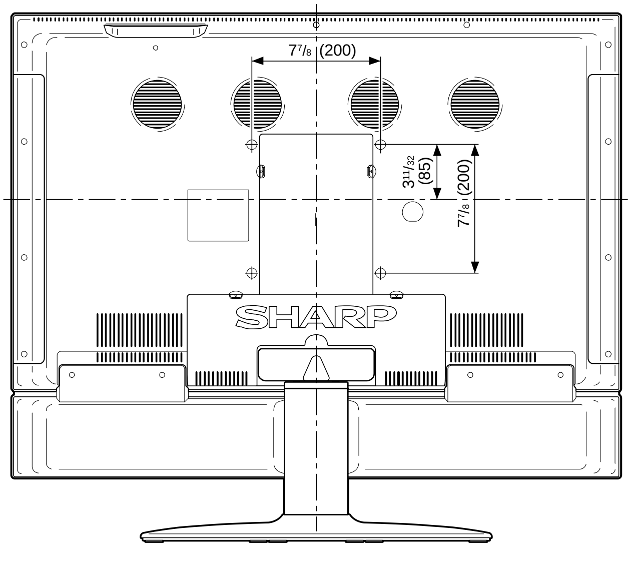
Display

Unit: inch/(mm)


12 (305)
21 29/64 (545)


37 21/64 (948)
32 11/32 (821.6)
18 7/32 (462.8)
SHARP
30 55/64 (784)
19 1/2 (495.5)
3/16 (5)
5 7/64 (130)
2 7/16 (62)
5 (127)

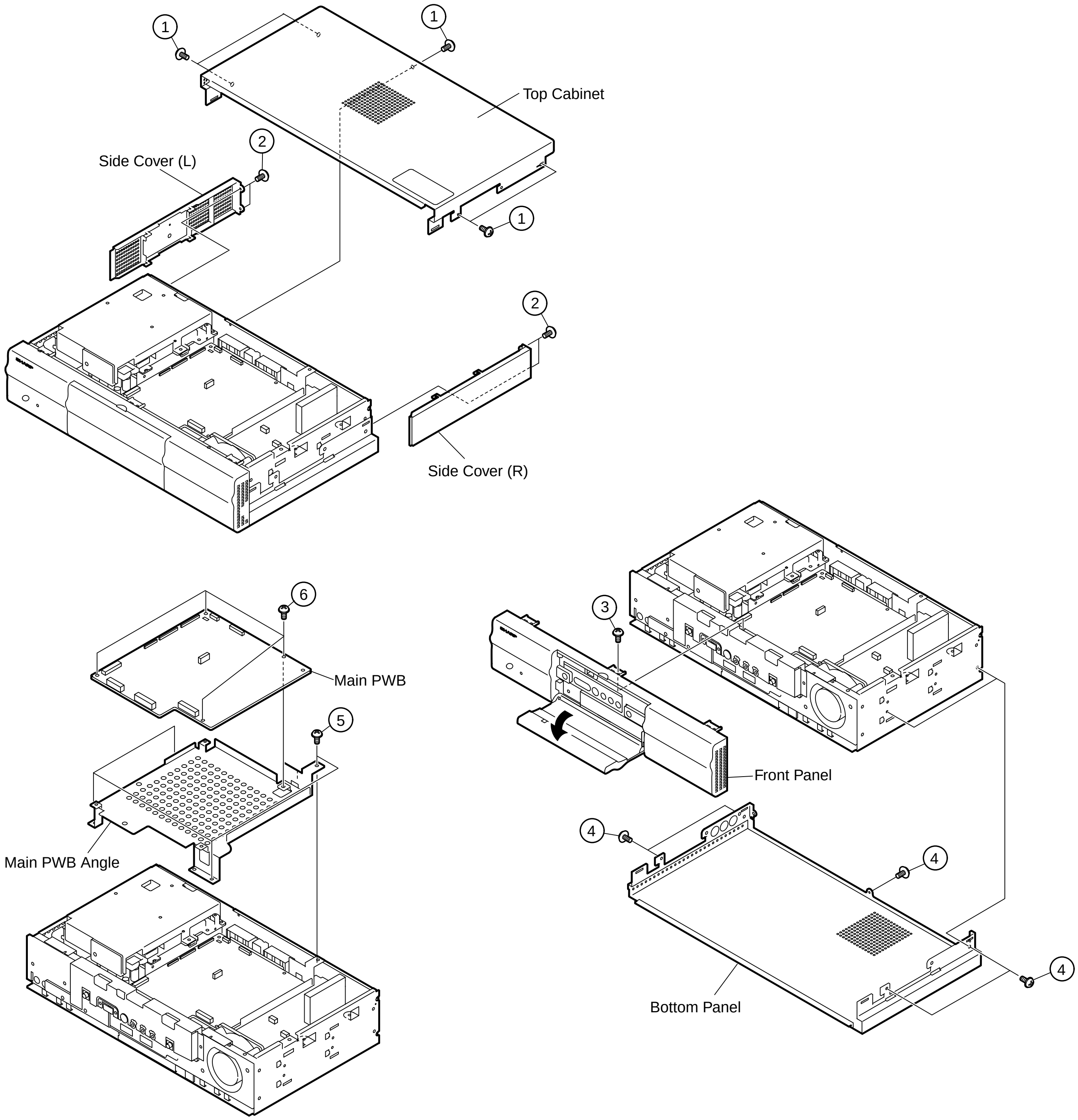

3 35/64 (90)
3 7/32 (82)


7 7/8 (200)
3 11/32 (85)
7 7/8 (200)
SHARP

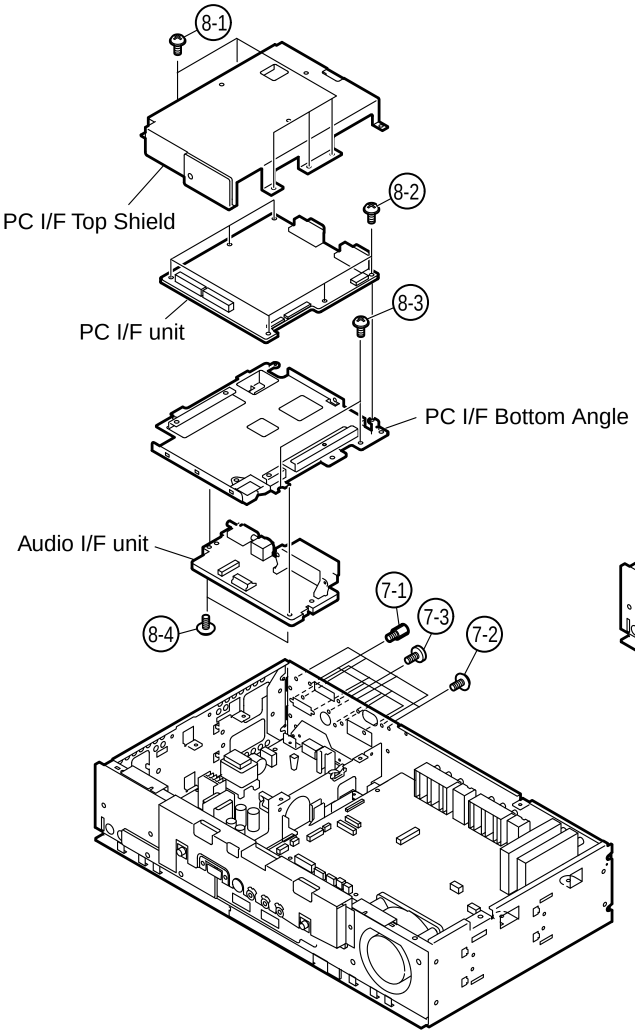
REMOVING OF MAJOR PARTS

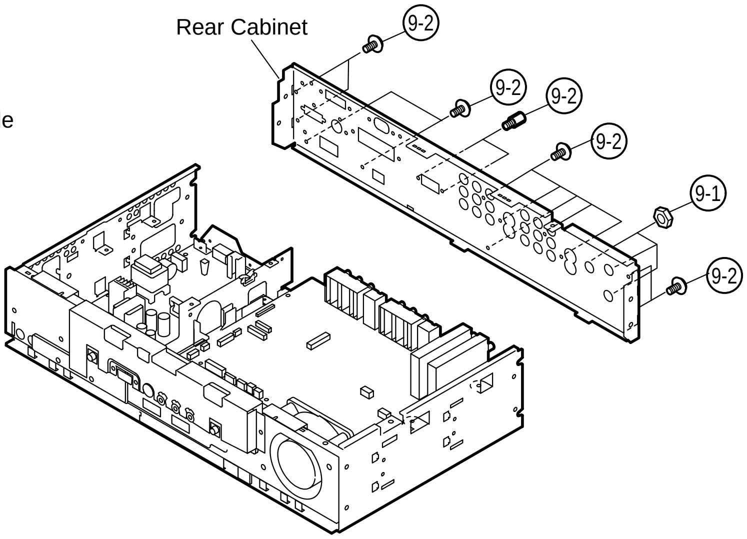
■ AVC System

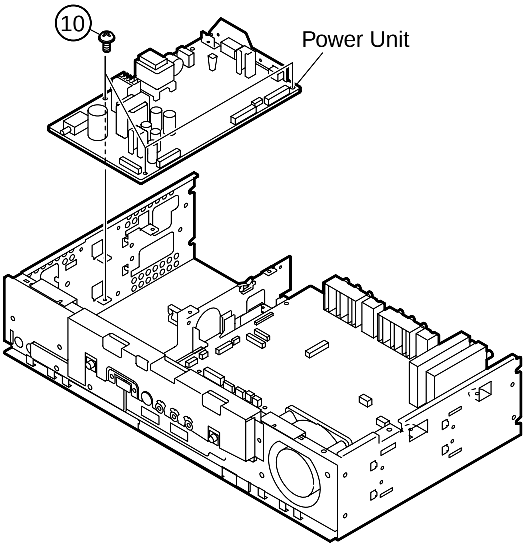
1. Remove the five top cabinet retaining screws and slide the top cabinet backward to remove it.
2. Remove the four side cover retaining screws on both the right and left sides and slide the side covers backward to remove them.
3. Remove the one front panel retaining screws and remove the front panel.
4. Remove the five bottom cabinet retaining screws and slide the bottom panel backward to remove it.
5. Remove the four screws securing the main PWB angle and remove the angle upward.
6. Remove the four screws securing the main PWB to the angle and remove the main PWB.


①
①
Top Cabinet
②
Side Cover (L)
①
②
Side Cover (R)
⑥
Main PWB
⑤
Main PWB Angle
③
Front Panel
④
④
④
Bottom Panel

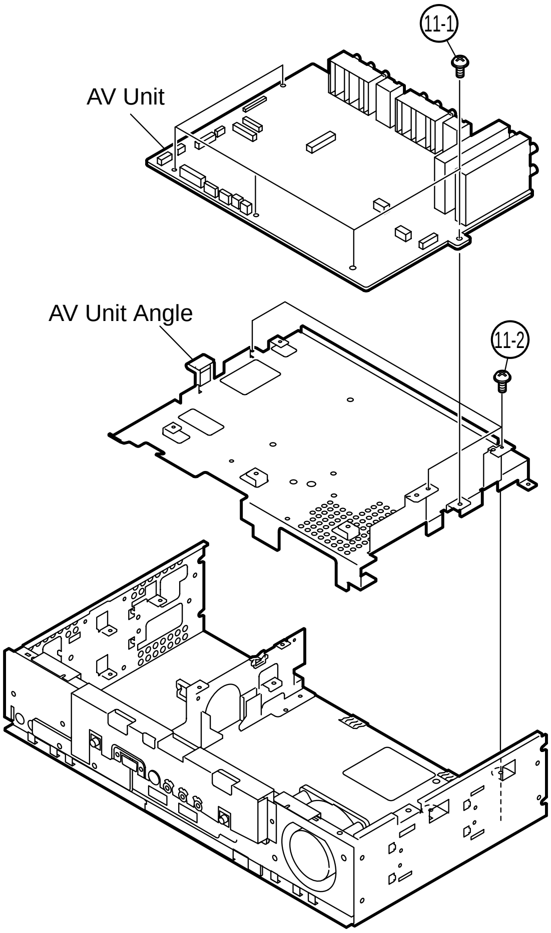
7. Remove the system/control terminal retaining:
    - 7-1. Remove the four hex head screws securing the terminals of the system and control cables (white).
    - 7-2. Remove the four screws securing the terminal of the system cable (gray).
    - 7-3. Remove the four rear chassis retaining screws.
8. Remove the PC I/F and Audio I/F units:
    - 8-1. Remove the five PC I/F top shield retaining screws and remove the shield.
    - 8-2. Remove the six PC I/F unit retaining screws and remove the unit.
    - 8-3. Remove the two PC I/F bottom angle retaining screws and remove the angle.
    - 8-4. Remove the two Audio I/F unit retaining screws and remove the Audio I/F unit.
9. Remove the rear chassis.
    - 9-1. Remove the three tuner nuts.
    - 9-2. Remove the 13 rear cabinet retaining screws and remove the rear cabinet.
10. Remove the three power unit retaining screws and remove the power unit.

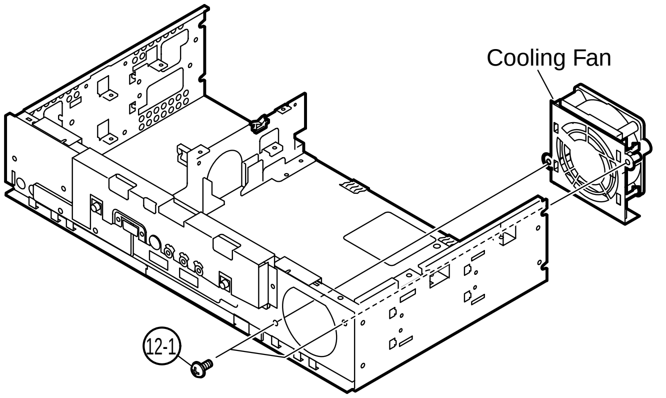

8-1
PC I/F Top Shield
8-2
PC I/F unit
8-3
PC I/F Bottom Angle
Audio I/F unit
8-4
7-1
7-3
7-2

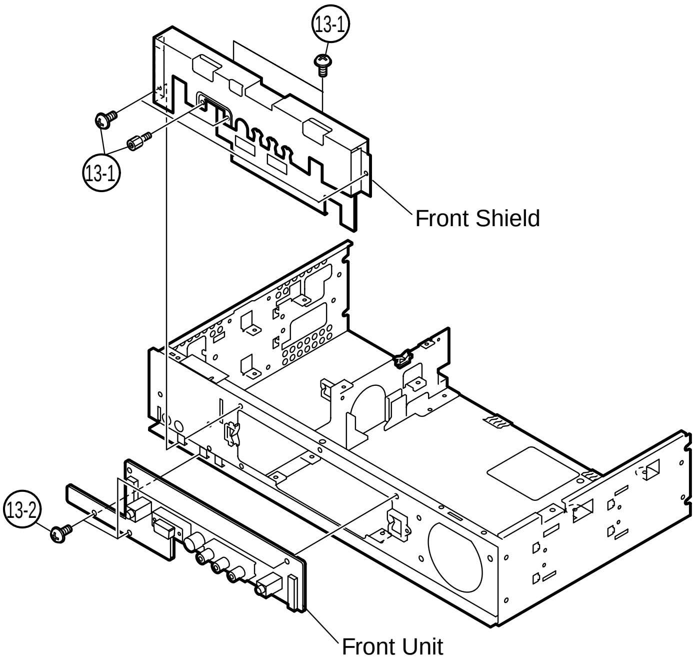

Rear Cabinet
9-2
9-2
9-2
9-2
9-1
9-2


10
Power Unit

11. Remove the AV unit:
    - 11-1. Remove the five AV unit retaining screws and remove the AV unit.
    - 11-2. Remove the three AV unit angle retaining screws and remove the angle.
12. Remove the fan:
    - 12-1. Remove the two cooling fan retaining screws and remove the cooling fan.
13. Remove unit from the front chassis:
    - 13-1. Remove the two hex head screws and four screws securing the front shield to the front chassis and remove the front shield.
    - 13-2. Remove the four screws securing the front unit and remove the unit.

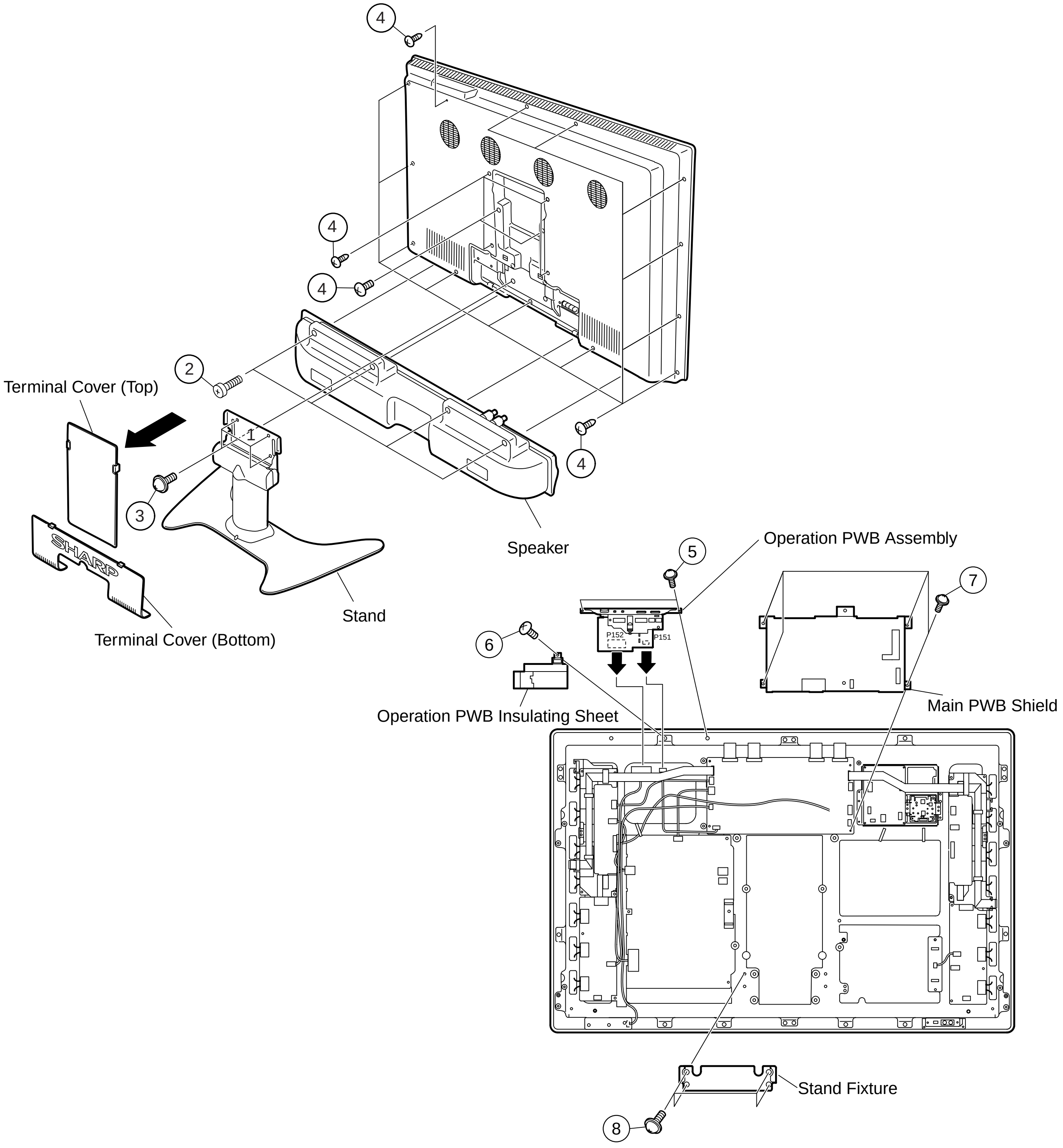

11-1
AV Unit
AV Unit Angle
11-2


Cooling Fan
12-1

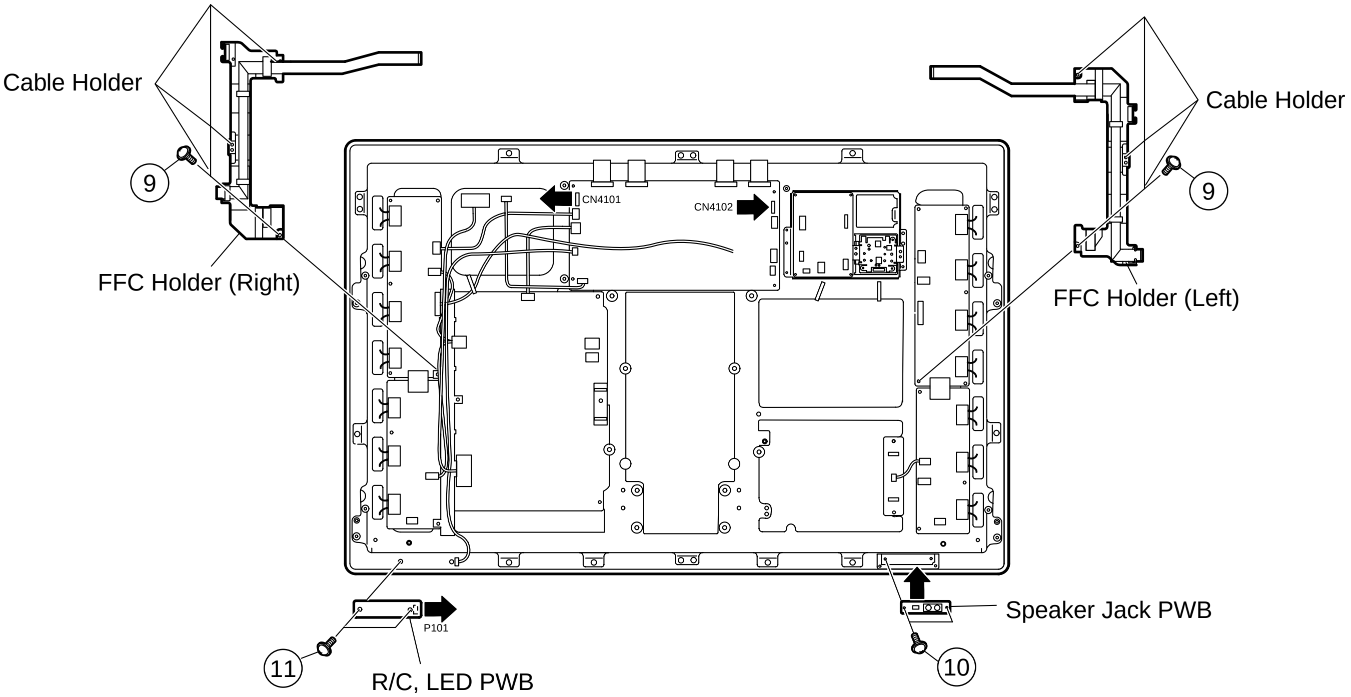

13-1
13-1
Front Shield
13-2
Front Unit

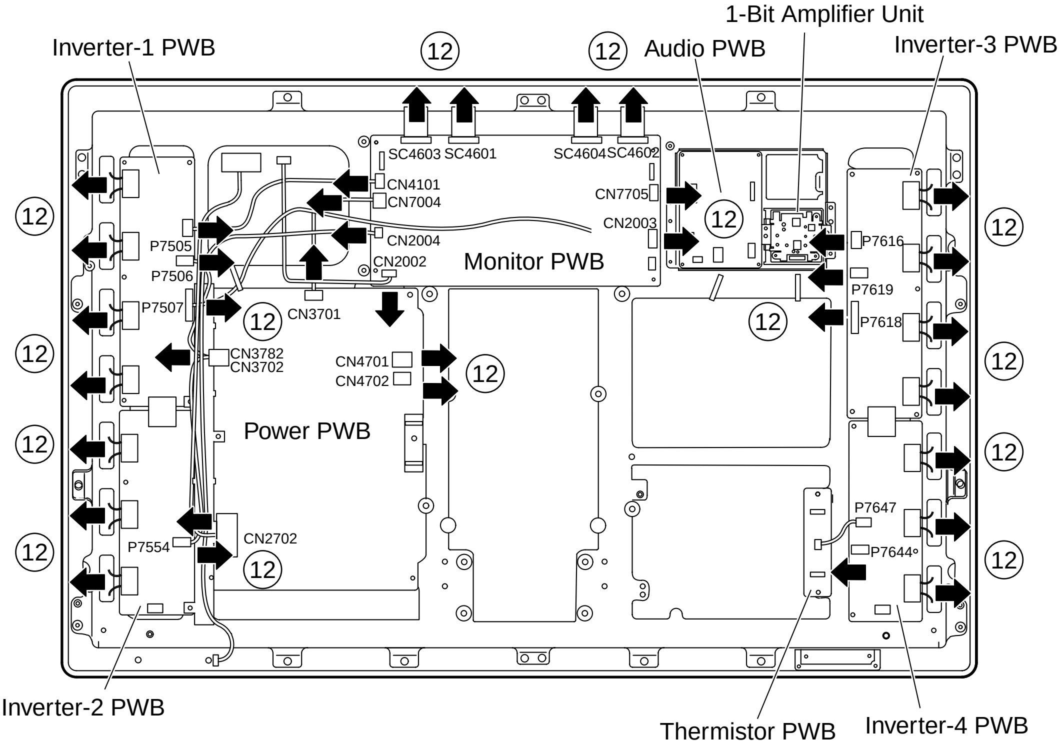
Display

1. Remove the top and bottom terminal covers.
2. Remove the four lock screws from the speaker. Disconnect the speaker terminals and detach the speaker.
3. Remove the four lock screws from the stand, and detach the stand.
4. Remove the 18 lock screws from the cabinets A and B, and remove the cabinet B.
5. Remove the two lock screws from the operation PWB assembly, and detach the operation PWB assembly.
6. Remove the lock screw from the operation PWB insulating sheet, and detach the operation PWB insulating sheet.
7. Remove the seven lock screws from the main PWB shield, and detach the main PWB shield.
8. Remove the four lock screws from the stand fixture, and detach the stand fixture.

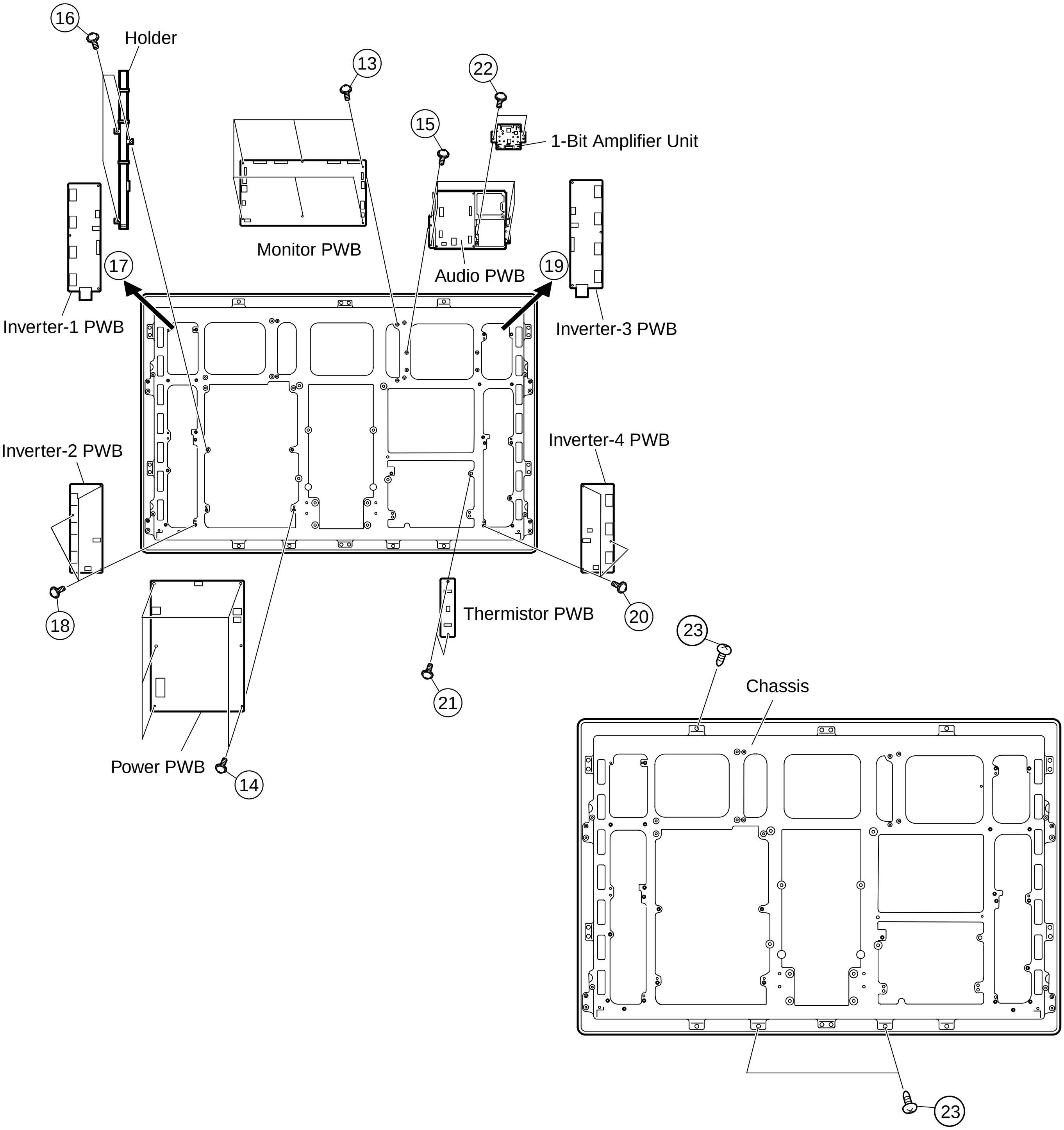

4
4
4
2
Terminal Cover (Top)
1
3
4
SHARP
Speaker
Stand
Terminal Cover (Bottom)
5
Operation PWB Assembly
7
6
P152
P151
Operation PWB Insulating Sheet
Main PWB Shield
Stand Fixture
8

9. Open the six FFC holders. Remove the three lock screws from each of the right and left FFC holders. Disconnect all the FFC connectors and detach the right and left FFC holders.
10. Remove the two lock screws from the speaker jack PWB, disconnect the connector, and detach the speaker jack PWB.
11. Remove the two lock screws from the R/C, LED PWB, and detach the R/C, LED PWB.
12. Disconnect the connectors from each PWB. (13 from the monitor PWB, 5 from the power PWB, 6 from the audio PWB, 7 from the inverter-1 PWB, 5 from the inverter-2 PWB, 7 from the inverter-3 PWB, 6 from the inverter-4 PWB, 2 from the 1-Bit amplifier unit, and 1 from the thermistor PWB)


Cable Holder
9
FFC Holder (Right)
CN4101
CN4102
Cable Holder
9
FFC Holder (Left)
P101
Speaker Jack PWB
11
R/C, LED PWB
10

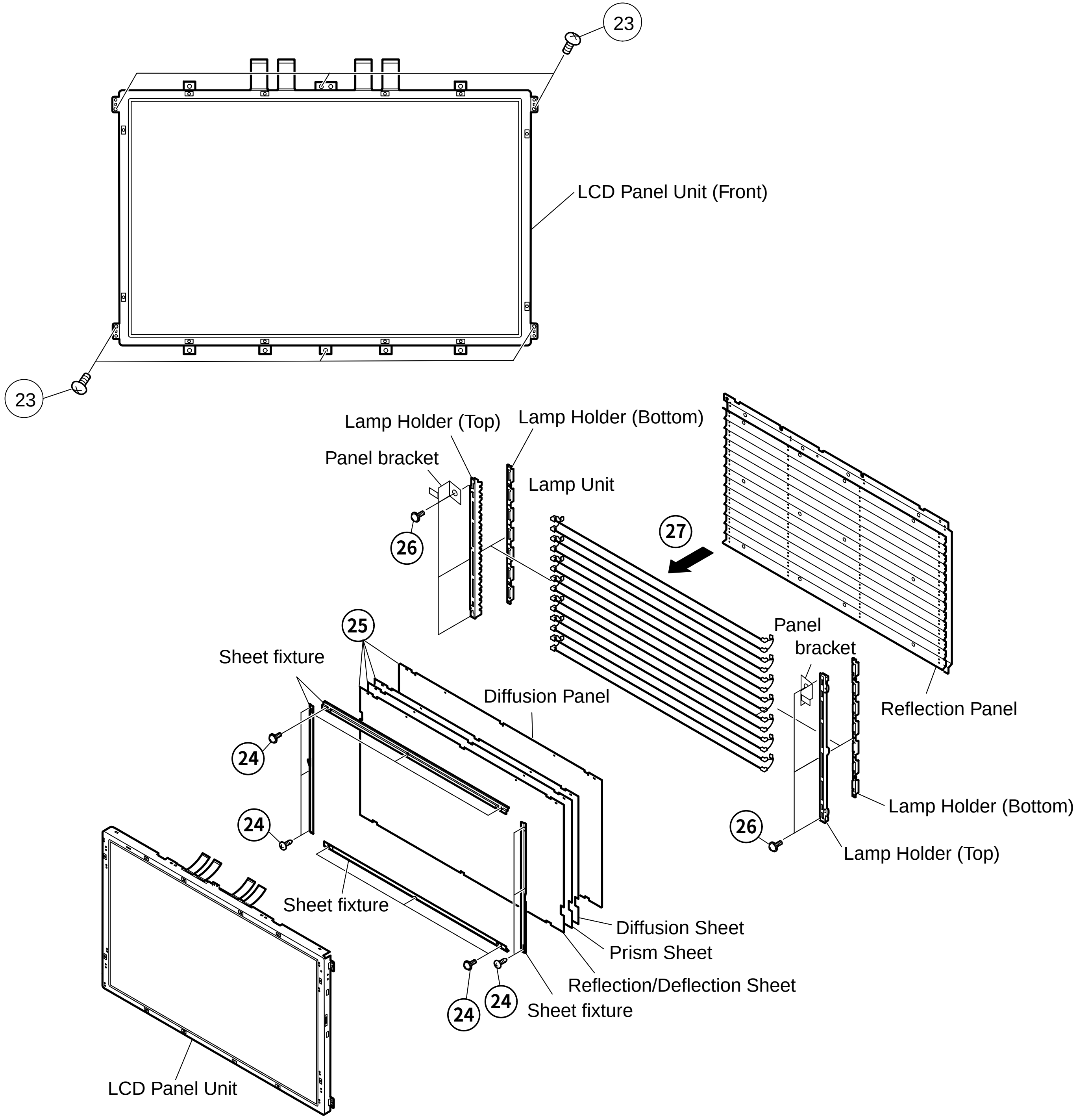

1-Bit Amplifier Unit
Inverter-1 PWB
12
12
Audio PWB
Inverter-3 PWB
SC4603
SC4601
SC4604
SC4602
CN4101
CN7004
CN7705
CN2003
12
CN2004
CN2002
Monitor PWB
P7505
P7506
P7507
12
CN3701
P7616
P7619
P7618
12
CN3782
CN3702
CN4701
CN4702
12
Power PWB
P7647
P7644
P7554
CN2702
12
12
12
12
12
12
12
12
12
Inverter-2 PWB
Thermistor PWB
Inverter-4 PWB

13. Remove the eight lock screws from the Monitor PWB, and detach the main PWB.
14. Remove the six lock screws from the power PWB, and detach the power PWB.
15. Remove the four lock screws from the audio PWB, and detach the audio PWB.
16. Remove the three lock screws from the holder, and detach the holder.
17. Detach the inverter-1 PWB.
18. Remove the three lock screws from the inverter-2 PWB, and detach the inverter-2 PWB.
19. Detach the inverter-3 PWB.
20. Remove the three lock screws from the inverter-4 PWB, and detach the inverter-4 PWB.
21. Remove the two lock screws from the thermistor PWB, and detach the thermistor PWB.
22. Remove the two lock screws from the 1-Bit amplifier unit, and detach the 1-Bit amplifier unit.
23. Remove the three lock screws from the chassis, and detach the chassis.


16
Holder
13
22
15
1-Bit Amplifier Unit
Monitor PWB
17
Audio PWB
19
Inverter-1 PWB
Inverter-3 PWB
Inverter-2 PWB
Inverter-4 PWB
18
Thermistor PWB
20
23
Chassis
21
Power PWB
14
23

- Precautions in handling the liquid crystal panel
  1. Handle the liquid crystal panel in a clean room (Humidity: 50% or more).
  2. Be sure to wear an earth wristband.
  3. Be careful not to drop and shock the liquid crystal panel.
  4. Use an ionizer (within 30 cm).

24. Remove the six lock screws from the LCD panel, and detach the LCD panel unit.
25. Remove the three lock screws from each of the sheet fixtures, and detach the sheet fixtures.
26. Detach the reflection/deflection sheet, prism sheet, diffusion sheet and diffusion panel.
27. Remove the three lock screws from each of the top and bottom lamp holders, and detach the top and bottom lamp holders.
28. Detach the lamp assembly from the lamp clip.


23
LCD Panel Unit (Front)
23
Lamp Holder (Top)
Lamp Holder (Bottom)
Panel bracket
Lamp Unit
26
27
25
Panel
bracket
Sheet fixture
Diffusion Panel
Reflection Panel
24
24
26
Lamp Holder (Bottom)
Lamp Holder (Top)
Sheet fixture
Diffusion Sheet
Prism Sheet
Reflection/Deflection Sheet
24
24
Sheet fixture
LCD Panel Unit

ADJUSTMENT PROCEDURES (AVC SYSTEM)

Preparation for adjustment

1. The product has been adjusted and optimized in the factory. If the product needs to be readjusted for some reason, e.g., after parts replacement, follow the instructions shown below.
2. Control parameter values set in the in-process adjustment mode has been stored in the corresponding registers. When the product is readjusted, the contents of the registers are changed. Before readjustment, factory settings should be noted in case the contents of registers require to be restored.
3. Use a stabilized AC power supply.
4. To rewrite a program, you should note the items ("OSD MENU" and "Adjustment Values") you want to change and initialize EEPROM, and then rewrite the changes into EEPROM.

How to enter the in-process adjustment mode

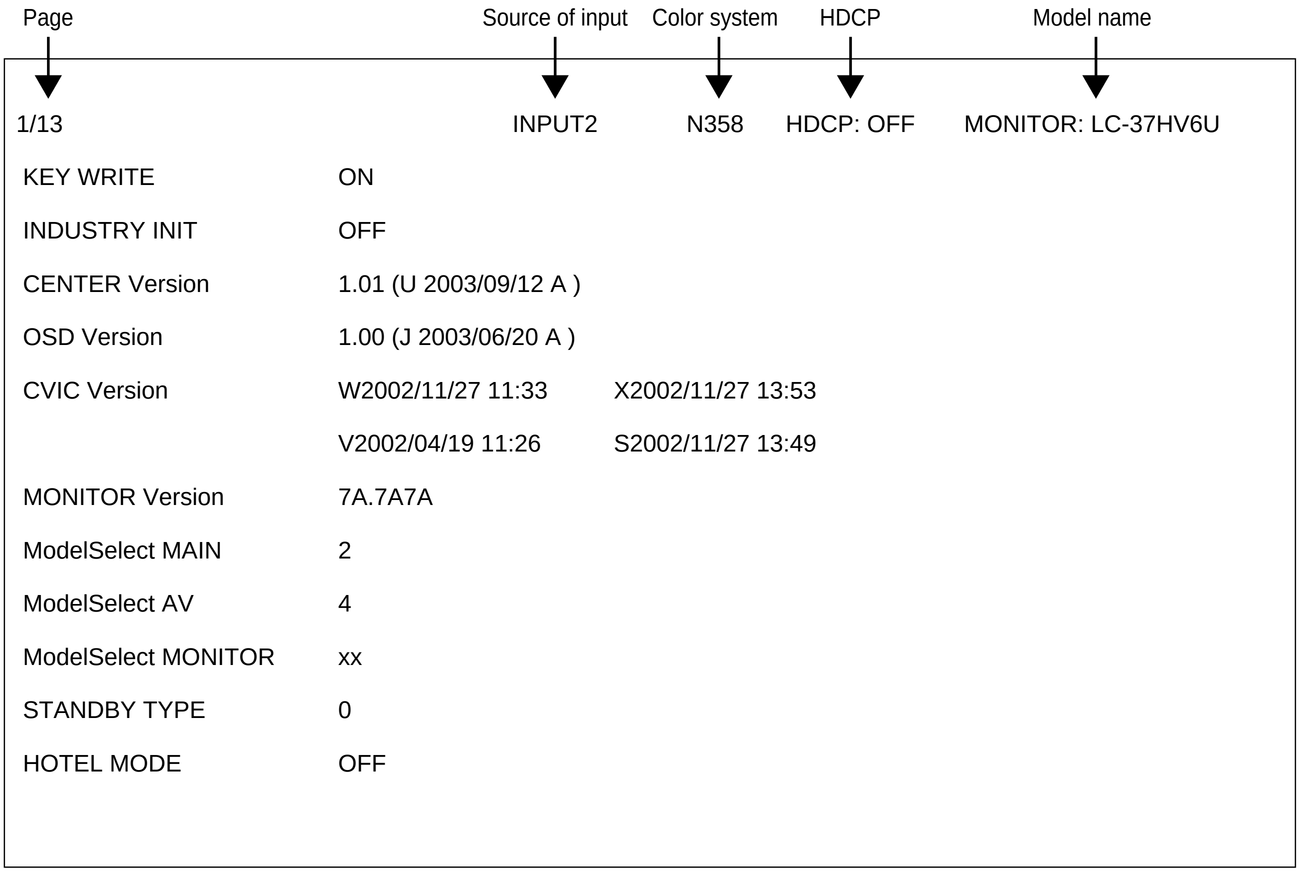
> CAUTION: Exercise great care to hide the procedure in entering the in-process adjustment mode from the customer. Inadvertent setting changes in this mode may cause a fatal error resulting in a program being unrecoverable.

1. Entering the in-process adjustment mode:
   Connect the system cable between the display and AVC system.
   Turn off the "MAIN POWER" button of the display once.
   Turn on the main power while holding down the "INPUT" button and the "VOL (-)" button of the Display simultaneously.
   The system will be activated.
   ∗If you see multiple lines of blue characters on the display, you are in the in-process adjustment mode. If not (the normal activation screen opens), retry.
2. Accessing the inspection process mode:
   After activation of the system, make adjustments according to the instructions indicated on the process adjustment OSD menu screen.
   Move to the General Process Adjustment (AVC System Section Process).
3. Restoring factory settings: (At the time of "INDUSTRY INIT" execution, please wait for about 30 seconds until /// disappears.)
   When the "INDUSTRY INIT" button is selected after activation of the system, factory channel setting remains unchanged.
   After the system exits from the in-process adjustment mode.
   Changes made by the user will default to factory settings. Note that channel setting is also initialized.
4. Exiting from the in-process adjustment mode:
   Unplug the power cable while the system is in the in-process adjustment mode to exit from the mode.
   Take care not to press the "POWER" button on the remote controller or the AVC system after using factory settings to run the system.
5. OSD menu screen and menu items during manual adjustment:
   ∗The layout and menu items of the OSD menu screen may somewhat vary depending on the program versions.
   ∗Just rewriting a program does not cause settings to be "initial values". (Preparation for adjustment)

①. Button operation in the in-process adjustment mode

Cursor Up	Move to the next page
Cursor Down	Back to the previous page
Volume (+)	Increase the setting by 1
Volume (-)	Decrease the setting by 1
SET/ENTER	Execute the function
Cursor Left	Increase the setting by 10
Cursor Right	Decrease the setting by 10
Channel (Up)	Move the cursor up
Channel (Down)	Move the cursor down
INPUT	Change input (Tuner-A ->Tuner-B -> Input 1 -> Input 2 ->Input 3 -> Input 4 -> PC ->)

②. In-process adjustment screen layout



1/13 INPUT2 N358 HDCP: OFF MONITOR: LC-37HV6U

KEY WRITE	ON	
INDUSTRY INIT	OFF	
CENTER Version	1.01 (U 2003/09/12 A)	
OSD Version	1.00 (J 2003/06/20 A)	
CVIC Version	W2002/11/27 11:33	X2002/11/27 13:53
	V2002/04/19 11:26	S2002/11/27 13:49
MONITOR Version	7A.7A7A	
ModelSelect MAIN	2	
ModelSelect AV	4	
ModelSelect MONITOR	xx	
STANDBY TYPE	0	
HOTEL MODE	OFF	

6. Loading the backup data and setting HDCP when the PC I/F unit is replaced

Nearly all data including factory settings, user settings, and channel setting is stored in the PC I/F unit. The product comes with EEPROM (IC1506) on the Main Unit in case the PC I/F unit is replaced; original data backed up on the EEPROM can be loaded to the new PC I/F unit.

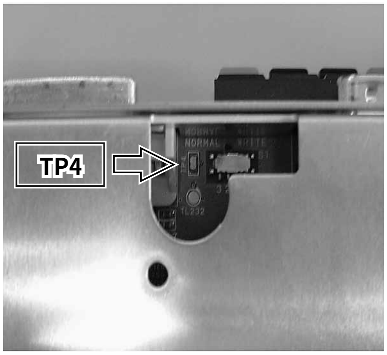
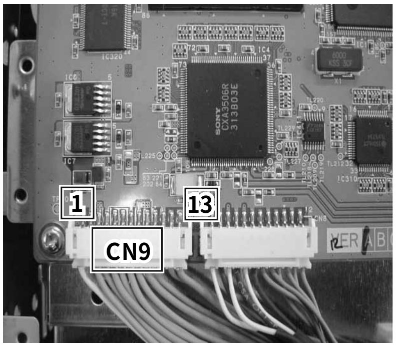
- How to load the backup data
  Select EEPROM RECOVER in the OSD menu (page 7) and turn the "Volume" key ON; then press "SET/ENTER".
- How to set HDCP
  After completion of adjustments, select KEY WRITE "ON" in the OSD menu (page 1/13) for manual adjustment and turn the "Volume" key ON; then press "SET/ENTER".
- How to read the factory settings (backup data)
  Select EEPROM RECOVER (page 7), set it from "OFF" to "ON" with the "Volume" key, and then press the "SET/ENTER" key.
- Adjustments required after reading the factory settings

1) Page 2
- ■ +Badj3.3V Adjustment of reference voltage
- ■ +Badj1.8V Adjustment of important component operating voltage (It is adjusted automatically by pressing the "SET/ENTER" key after performing 3.3V adjustment.)

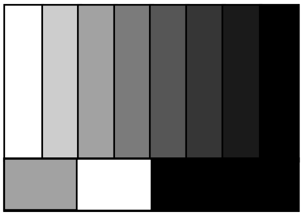
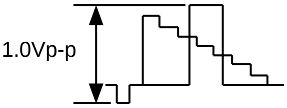
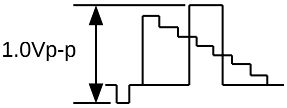
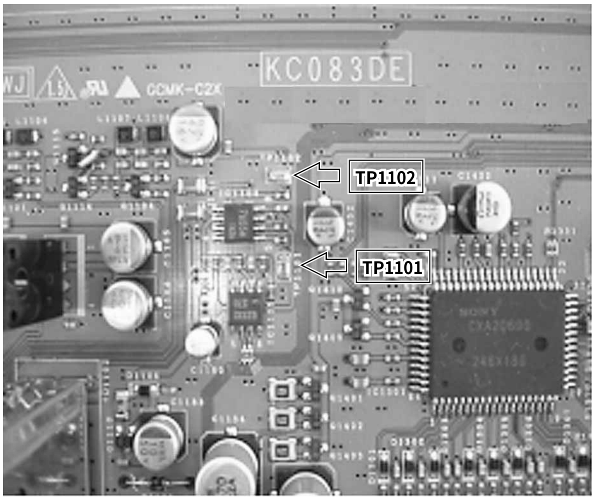
2) Page 8 to Page 10
- ■ N358 WB adjustment White balance adjustment (TV, VCR, etc.)
- ■ COMP 15K WB adjustment White balance adjustment (Component 480i)
- ■ COMP HDTV WB adjustment White balance adjustment (Component 1080i)

1) Analog adjustment

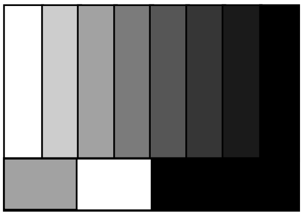
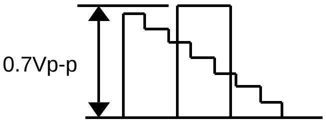
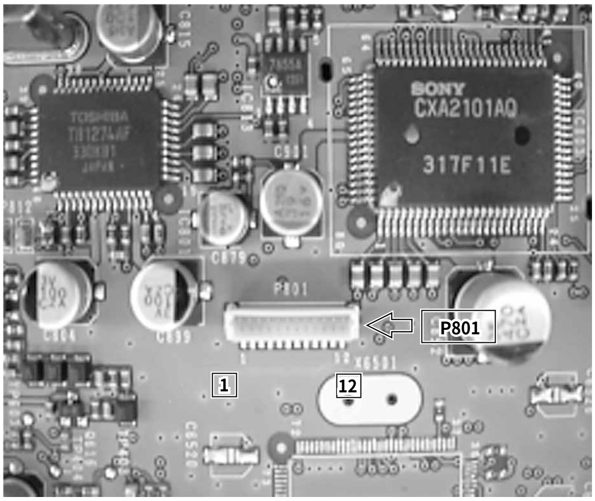
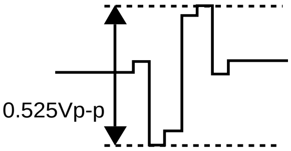
(1) Voltage adjustment

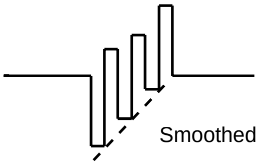
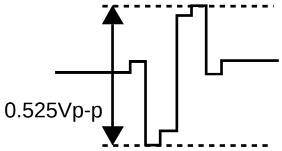
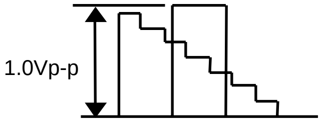
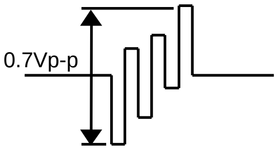
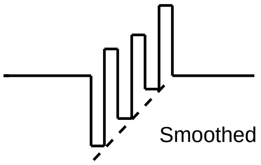
	Item	Adjusting conditions/points	Adjusting procedure
1	3.3 V Adjustment	Page: 2 Location: TP4	• Connect a DC voltmeter to TP4 on the PC I/F unit. Move the cursor to "■+Badj.3.3V" and use "VOL" (+) and (–) keys to adjust the voltage to 3.30 ± 0.01 V. 
2	1.8 V Adjustment	Page: 2 Location: Pin (6) of CN9	• After adjustment to 3.3 V, move the cursor to the "■+Badj.1.8V" line and press the "ENTER" key on the remote controller. Adjustment will be made automatically. If "ERR" appears, adjust the voltage at pin (6) of CN9 on the PC I/F unit to 1.90 ± 0.01 V. 

(2) Tuner adjustment

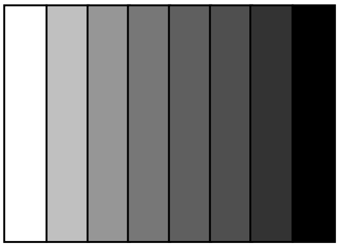
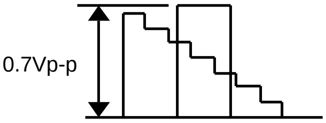
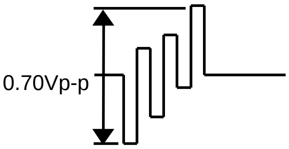
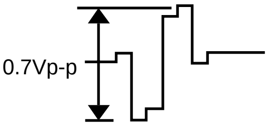
	Item	Adjusting conditions/points	Adjusting procedure
1	Signal setting	Signal: NTSC RF Signal (Split field color bar) Input terminals: ANT-A, ANT-B US channel 10 received	• Use a signal generator to provide the tuner with a RF signal of 193.25 MHz on the split field color bar. • The color saturation of the color bar must be 75%. A 100% white area must be included. • Make sure the 100% white area (synchronized) shows 2.00 Vp-p when the color bar opens in video mode. If not, adjust the signal generator. 
2	Tuner level Adjustment	Page: 4 Locations: TP1101, TP1102	1. Provide the above RF signal to ANT-A and adjust "TUNERA DAC ADJ" so that the tuner output is 1.0 ± 0.02 Vp-p at TP1101 when US channel 10 is received. 
			2. Provide the above RF signal to ANT-B and adjust "TUNER B DAC ADJ" so that the tuner output is 1.0 ± 0.02 Vp-p at TP1102 when US channel 10 is received.  

(3) NTSC signal adjustment

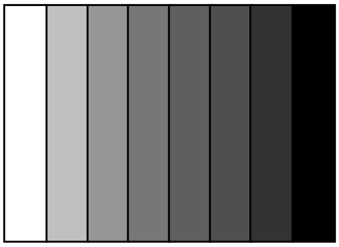
	Item	Adjusting conditions/points	Adjusting procedure
1	Signal setting	Signal: NTSC Split field color bar	• Use a signal generator to provide the split field color bar to the video image input pin of video input 1. • The color saturation of the color bar must be 75%. A 100% white area must be included. • Make sure the 100% white area (synchronized) shows 2.00 Vp-p when the color bar opens in video mode. If not, adjust the signal generator. 
2	MAIN N358 Y GAIN Adjustment	Page: 3 Signal pin: INPUT1, video Location: Pin (1) of P801	Adjust "MAIN N358 Y GAIN" so that the 100% white area shows 0.7 ± 0.01 Vp-p at pin (1) of P801.   SONY CXA2101AQ 317F11E TOSHIBA P801 P801 1 12
3	MAIN N358 CB GAIN Adjustment	Page: 3 Location: Pin (3) of P801	Adjust "MAIN N358 CB GAIN" so that the width shown below is 0.525 ± 0.01 Vp-p at pin (3) of P801. 

	Item	Adjusting conditions/points	Adjusting procedure
4	MAIN N358 TINT Adjustment	Page: 3 Location: Pin (3) of P801	Adjust "MAIN N358 TINT" so that the bottom edges of the waveform at pin (3) of P801 are in line with each other as shown below. 
5	MAIN N358 CR GAIN Adjustment	Page: 3 Location: Pin (5) of P801	Adjust "MAIN N358 CR GAIN" so that the width shown below is 0.525 ± 0.01 Vp-p at pin (5) of P801. 
6	MAIN CONTRAST 15K Adjustment	Page: 3 Location: Pin (7) of P801	Adjust "MAIN CONTRAST 15K" so that the difference between black and while peaks is 0.95 ± 0.02 V at pin (7) of P801.
7	Two-screen setting	Press the TWIN PICTURE key.	Make the adjustment-purpose special two-screen setting. (The same images should appear on the main and sub screens.)
8	SUB N358 Y CONTRAST Adjustment	Page: 4 Location: Pin (9) of P801	Adjust "SUB N358 Y CONTRAST" so that the difference between the black and white peaks is 1.0 ± 0.02 Vp-p at pin (9) of P801. 
9	SUB N358 COLOR GAIN Adjustment	Page: 4 Location: Pin (11) of P801	Adjust "SUB N358 COLOR GAIN" so that the black peak is 0.7 ± 0.01 Vp-p at pin (11) of P801. 
10	SUB N358 TINT Adjustment	Page: 4 Location: Pin (11) of P801	Adjust "SUB N358 TINT" so that the bottom edges of the waveform at pin (11) of P801 are in line with each other as shown below. 

(4) Component 15 kHz signal adjustment

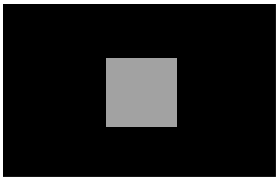
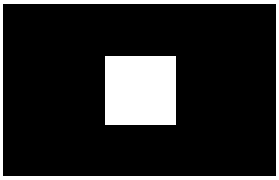
	Item	Adjusting conditions/points	Adjusting procedure
1	Signal setting	Signal: Component 15k 100% color bar Signal pin: INPUT1 COMPONENT	Provide the 100% color bar source of component 15k to the component input pin of video input 1. 
2	COMP 15K GAIN	Page: 5 Location: Pin (1) of P801	Adjust "COMP 15K GAIN" so that 0.70 ± 0.01 Vp-p is achieved at pin (1) of P801. 
3	COMP 15K CB GAIN	Page: 5 Location: Pin (3) of P801	Adjust "COMP 15K CB GAIN" so that the width shown below is 0.70 ± 0.01 Vp-p at pin (3) of P801. 
4	COMP 15K CR GAIN	Page: 5 Location: Pin (5) of P801	Adjust "COMP 15K CR GAIN" so that the width shown below is 0.70 ± 0.01 Vp-p at pin (5) of P801. 

(5) Component HDTV signal adjustment

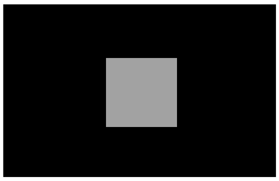
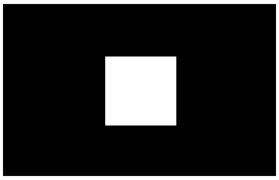
	Item	Adjusting conditions/points	Adjusting procedure
1	Signal setting	Signal: Component HDTV 100% color bar Signal pin: INPUT1 COMPONENT	Provide the component HDTV source of the 100% color bar to the component pin of video input 1. 
2	COMP HDTV CONTRAST Adjustment	Page: 6 Location: Pin (9) of P801	Adjust "COMP HDTV CONTRAST" so that the difference between the black and while peaks is 0.95 ± 0.02 Vp-p at pin (9) of P801.

2) Digital white balance adjustment

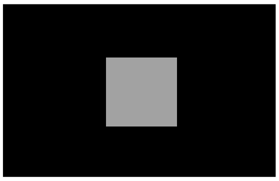
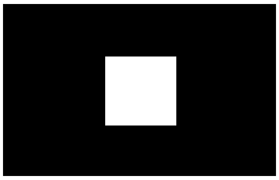
(1) NTSC signal adjustment

	Item	Adjusting conditions	Adjusting procedure
1	Setting	1. Provide the adjusting N358 signal (adjustment conditions) to the video image input pin of video input 1. Page: 8	
2	N358 R cutoff	20% white window pattern  ∗ It is recommended that a pattern without chroma and burst be used.	1. Press "1" on the remote controller in the process adjustment mode. 2. Adjust "N358 R CUTOFF" so that the luminance level of the window pattern is maximized.
3	N358 G cutoff		1. Press "2" on the remote controller in the process adjustment mode. 2. Adjust N358 G CUTOFF so that the luminance level of the window pattern is maximized.
4	N358 B cutoff		1. Press "3" on the remote controller in the process adjustment mode. 2. Adjust "N358 B CUTOFF" so that the luminance level of the window pattern is maximized.
5	N358 R drive	80% white window pattern  ∗ It is recommended that a pattern without chroma and burst be used.	1. Press "4" on the remote controller in the process adjustment mode. 2. Adjust "N358 R DRIVE" so that the luminance level of the window pattern is maximized.
6	N358 G drive		1. Press "5" on the remote controller in the process adjustment mode. 2. Adjust "N358 G DRIVE" so that the luminance level of the window pattern is maximized.
7	N358 B drive		1. Press "6" on the remote controller in the process adjustment mode. 2. Adjust "N358 B DRIVE" so that the luminance level of the window pattern is maximized.
8	Convergence	Repeat the above adjustments until convergence is reached (Adjust cutoff, drive, cutoff, drive and so on.)	

(2) COMPONENT 15 kHz signal adjustment

	Item	Adjusting conditions	Adjusting procedure
1	Setting	1. Provide the adjusting 525i component signal (adjustment conditions) to the component video input pin of video 1. Page: 9	
2	COMP 15 kHz R cutoff	20% white window pattern  ∗ Simply press Y.	1. Press "1" on the remote controller in the process adjustment mode. 2. Adjust "COMP 15K R CUTOFF" so that the luminance level of the window pattern is maximized.
3	COMP15 kHz G cutoff		1. Press "2" on the remote controller in the process adjustment mode. 2. Adjust "COMP 15K G CUTOFF" so that the luminance level of the window pattern is maximized.
4	COMP 15 kHz B cutoff		1. Press "3" on the remote controller in the process adjustment mode. 2. Adjust "COMP 15K B CUTOFF" so that the luminance level of the window pattern is maximized.
5	COMP 15 kHz R drive	80% white window pattern  ∗ Simply press Y.	1. Press "4" on the remote controller in the process adjustment mode. 2. Adjust "COMP 15K R DRIVE" so that the luminance level of the window pattern is maximized.
6	COMP15 kHz G drive		1. Press "5" on the remote controller in the process adjustment mode. 2. Adjust "COMP 15K G DRIVE" so that the luminance level of the window pattern is maximized.
7	COMP 15 kHz B drive		1. Press "6" on the remote controller in the process adjustment mode. 2. Adjust "COMP 15K B DRIVE" so that the luminance level of the window pattern is maximized.
8	Convergence	Repeat the above adjustments until convergence is reached (Adjust cutoff, drive, cutoff, drive and so on.)	

(3) COMPONENT HDTV signal adjustment

	Item	Adjusting conditions	Adjusting procedure
1	Setting	1. Provide the adjusting 1080i component signal (adjustment conditions) to the component vide input pin of video 1. Page: 10	
2	COMP HDTV R cutoff	20% white window pattern  ∗ Simply press Y.	1. Press "1" on the remote controller in the process adjustment mode. 2. Adjust "COMP HDTV R CUTOFF" so that the luminance level of the window pattern is maximized.
3	COMP HDTVG cutoff		1. Press "2" on the remote controller in the process adjustment mode. 2. Adjust "COMP 15K G CUTOFF" so that the luminance level of the window pattern is maximized.
4	COMP HDTV B cutoff		1. Press "3" on the remote controller in the process adjustment mode. 2. Adjust "COMP HDTV B CUTOFF" so that the luminance level of the window pattern is maximized.
5	COMP HDTV R drive	80% white window pattern  ∗ Simply press Y.	1. Press "4" on the remote controller in the process adjustment mode. 2. Adjust "COMP HDTV R DRIVE" so that the luminance level of the window pattern is maximized.
6	COMP HDTV G drive		1. Press "5" on the remote controller in the process adjustment mode. 2. Adjust "COMP HDTV G DRIVE" so that the luminance level of the window pattern is maximized.
7	COMP HDTV B drive		1. Press "6" on the remote controller in the process adjustment mode. 2. Adjust "COMP HDTV B DRIVE" so that the luminance level of the window pattern is maximized.
8	Convergence	Repeat the above adjustments until convergence is reached (Adjust cutoff, drive, cutoff, drive and so on.)	

4. Factory setting

	Item	Adjusting conditions	Adjusting procedure
1	INDUSTRY INIT	Page: 1	1. Move the cursor to the "INDUSTRY INIT" line, use the VOL key to turn the system on and press the ENTER key. Factory setting is complete when the process adjustment menu disappears and the system enters the TUNER input mode. ∗Make sure HDCP is on. If it is off, the system cannot exit from the process adjustment mode. 2. Turn off the AVC AC power.

Notes:

1) Perform factory setting as the latest task. Do not turn on the power after factory setting.
2) Turn the AVC's AC power off to turn off the system.
   Never turn off the power during factory setting.
3) After completion of factory setting, the system will exit from the process adjustment mode automatically. If not so, HDCP has been set to off. Check HDCP setting.
4) Factory setting results in initializations of all user settings including channel setting.
   (Items set in process adjustment mode are not initialized).
   Items initialized by factory setting include the following:
   - User settings (menu)
   - Channel data (including broadcast frequencies)
   - Password
   - Operation time
   - Auto installation flag
   - Optimal manufacturer settings
   - VCHIP block setting

■ Adjustment Model Menu List (AVC System)

Do not change items, the adjustment procedure of which is not described in this manual. Inadvertent changes of such items may result in unexpected or unrecoverable errors.

PAGE	LINE	NAME	FUNCTION
1	1	KEY WRITE	
	2	INDUSTRY INIT	Resetting the internally stored data to the factory settings
	3	CENTER Version	Main microprocessor version information (program)
	4	OSD Version	Main microprocessor version information (data)
	5	CVIC Version	Main microprocessor version information (program)
	6	MONITOR Version	Monitor microprocessor version information
	7	ModelSelect MAIN	
	8	ModelSelect AV	
	9	ModelSelect MONITOR	
	10	STANDBY TYPE	
	11	HOTEL MODE	
2	1	■+BAdj3.3V	3.3V adjustment
	2	■+BAdj1.8V(Enter:Auto)	1.8V adjustment (Note that the value measured at the terminal area of the PC/IF PWB unit is 1.9V.)
	3	■REFERENCE Adjust	
	4	Select Adj Signal	
	5	Center Acutime	Cumulative operating time on AVC center side
	6	RESET	Reset
	7	BackLight Acutime	Cumulative operating time of monitor
	8	RESET	Reset
3	1	■N358 MAIN Adjust	
	2	N358 MAIN+SUB Adjust	
	3	MAIN N358 Y GAIN	Adjustment in one-screen mode or adjustment of main side (left) in two-screen mode
	4	MAIN N358 CB GAIN	Adjustment in one-screen mode or adjustment of main side (left) in two-screen mode
	5	MAIN N358 CR GAIN	Adjustment in one-screen mode or adjustment of main side (left) in two-screen mode
	6	MAIN N358 TINT	Adjustment in one-screen mode or adjustment of main side (left) in two-screen mode
	7	MAIN CONTRAST 15K	Adjustment in one-screen mode or adjustment of main side (left) in two-screen mode
	8	MAIN CUBBRIGHT 15K	
4	1	■N358 SUB Adjust	
	2	SUB N358 CONTRAST	Adjustment of sub side (left side) in two-screen mode
	3	SUB N358 COLOR GAIN	Adjustment of sub side (left side) in two-screen mode
	4	SUB N358 TINT	Adjustment of sub side (left side) in two-screen mode
	5	TUNERA DAC ADJ	Level adjustment of Tuner-A
	6	TUNERB DAC ADJ	Level adjustment of Tuner-B
5	1	■COMP 15K Adjust	
	2	COMP 15K GAIN	Adjustment of component (480i)
	3	COMP 15K CB GAIN	Adjustment of component (480i)
	4	COMP 15K CR GAIN	Adjustment of component (480i)
6	1	■COMP HDTV Adjust	
	2	COMP HDTV CONTRAST	Adjustment of component (1080i)
	3	COMP HDTV SUBBRIGHT	Adjustment of component (1080i)
7	1	TUNER TEST1(CH15)	
	2	TUNER TEST2(CH10)	
	3	PEAK ACL SW	
	4	DC TRAN	
	5	DYNAMIC GAMMA	
	6	SIGNAL INFO	
	7	CENTER PROG UPDATE	Version upgrade of software
	8	EEPROM SAVE	Adjustment value data save
	9	EEPROM RECOVER	Adjustment value data recovery
8	1	■N358 White Balance	
	2	PAL White Balance	
	3	PC White Balance	
	4	N358 R CUTOFF	White balance adjustment of NTSC
	5	N358 G CUTOFF	White balance adjustment of NTSC
	6	N358 B CUTOFF	White balance adjustment of NTSC
	7	N358 R DRIVE	White balance adjustment of NTSC
	8	N358 G DRIVE	White balance adjustment of NTSC
	9	N358 B DRIVE	White balance adjustment of NTSC
9	1	■COMP15K White Balance	
	2	COMP15K R CUTOFF	Digital white balance adjustment of component (480i)
	3	COMP15K G CUTOFF	Digital white balance adjustment of component (480i)
	4	COMP15K B CUTOFF	Digital white balance adjustment of component (480i)
	5	COMP15K R DRIVE	Digital white balance adjustment of component (480i)
	6	COMP15K G DRIVE	Digital white balance adjustment of component (480i)
	7	COMP15K B DRIVE	Digital white balance adjustment of component (480i)
	8	COMP15K PASS SW	

PAGE	LINE	NAME	FUNCTION
10	1	■COMP33K White Balance	
	2	COMPHDTV R CUTOFF	Digital white balance adjustment of component (1080i)
	3	COMPHDTV G CUTOFF	Digital white balance adjustment of component (1080i)
	4	COMPHDTV B CUTOFF	Digital white balance adjustment of component (1080i)
	5	COMPHDTV R DRIVE	Digital white balance adjustment of component (1080i)
	6	COMPHDTV G DRIVE	Digital white balance adjustment of component (1080i)
	7	COMPHDTV B DRIVE	Digital white balance adjustment of component (1080i)
11	Omitted		
12	1	MONITOR GAMMA OFFSET R	
	2	MONITOR GAMMA OFFSET G	
	3	MONITOR GAMMA OFFSET B	
	4	MONITOR GAMMA R	
	5	MONITOR GAMMA G	
	6	MONITOR GAMMA B	
	7	MONITOR GAMMA WRITE	
13	1	DEBUG PRINT SW	
	2	PIC ADJ MAKER SELECT	
	3	PIC ADJ KOUTEI SELECT	
	4	1274 V_CD_MODE	
	5	ACL HARD SW	
	6	DEBUG_SELECT_SW	
	7	DEBUG COMPANY SELECT	
	8	DEBUG PANELTYPE SELECT	

UPGRADING INSTALLED PROGRAMS

Programs installed in the product are mainly divided into the following two categories:

- Main programs (for AVC System)
- Monitor program (for Display)

CAUTON: Exercise great care to hide the procedure in entering the in-process adjustment mode from the customer. Inadvertent setting changes in this mode may cause a fatal error resulting in a program being unrecoverable.

[Tools required]

- PC

A Windows 95/98/me/2000/XP PC that has a COM port (RS-232C).
A USB-R232C converter will be acceptable provided that it is appropriately set and has PC compatibility.

- RS-232C cross cable

Interlink cable is also acceptable.

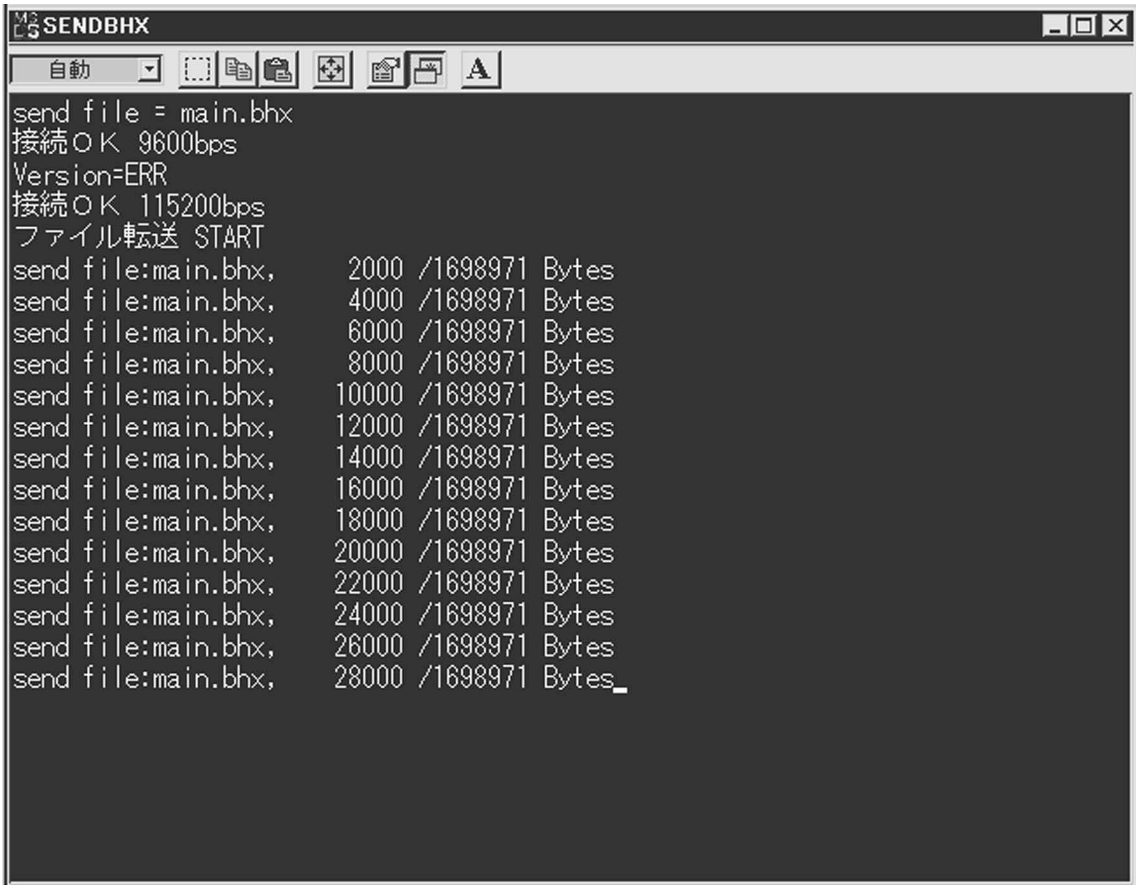
[Preparations]

Rewriting a program needs the product to enter the adjustment process mode.

1) The rewriting software is supplied in the form of an exe file named e.g., "MAIN_2002_10_10A.exe" (provisional). Create a directory on a HD and copy the software into the directory.
2) Double-click the file. The file will be self-extracted. Check the extracted file against the documentation accompanying with the software.
3) Connect the AVC System and the Display unit with each other and make them ready for operation (make sure the power LEDs of the AVC System and Display unit turn red).
4) Use an RS-232C cable to connect the PC to the AVC System.
5) Exercise great care to hide the procedure in entering the adjustment process mode from the customer.
   Press the "MAIN POWER" button while holding down the "VOL (–)" key and the "INPUT" key on the Display unit simultaneously.
   If blue characters appear on the display, the system has entered the in-process adjustment mode successfully.
   If not (the normal activation screen opens), retry.

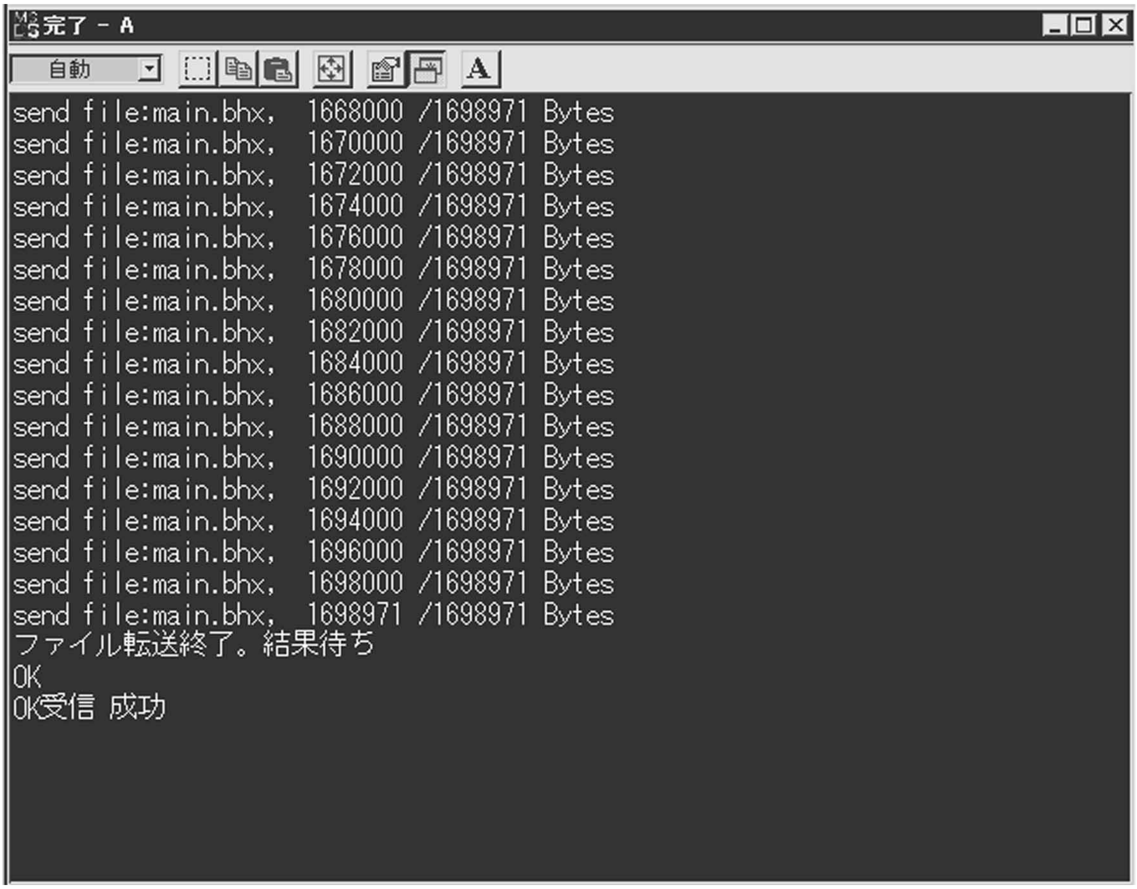
[Rewriting the main program]

1) In the in-process adjustment mode, press the "CH(∧)" key on the remote controller. You will move to page ("7" will appear on the upper left corner of the screen).
2) Make sure CENTER PROG UPDATE on page 7 is highlighted.
   (It checks that "CENTER PROG UPDATE" on page 7 is chosen.)
3) Use the "VOL(–)/(+)" keys to change OFF to ON.
4) Press the "ENTER" key on the remote controller. Characters on the screen will disappear and the screen blacks out.
5) Double-click the batch file specified in the document accompanying with the software.
6) A black window (MS-DOS window) will open and rewriting starts automatically.
   Rewiring of the main program is now complete. Unplug the AC cord from the AVC System and turn off the system and then on again.
7) Enter the adjustment process mode and make sure the version information on the CENTER Version, OSD Version and CVIC Version lines on page 1/13 has been updated.



```
send file = main.bhx
接続ＯＫ 9600bps
Version=ERR
接続ＯＫ 115200bps
ファイル転送 START
send file:main.bhx,     2000 /1698971 Bytes
send file:main.bhx,     4000 /1698971 Bytes
send file:main.bhx,     6000 /1698971 Bytes
send file:main.bhx,     8000 /1698971 Bytes
send file:main.bhx,    10000 /1698971 Bytes
send file:main.bhx,    12000 /1698971 Bytes
send file:main.bhx,    14000 /1698971 Bytes
send file:main.bhx,    16000 /1698971 Bytes
send file:main.bhx,    18000 /1698971 Bytes
send file:main.bhx,    20000 /1698971 Bytes
send file:main.bhx,    22000 /1698971 Bytes
send file:main.bhx,    24000 /1698971 Bytes
send file:main.bhx,    26000 /1698971 Bytes
send file:main.bhx,    28000 /1698971 Bytes_
```

Continued



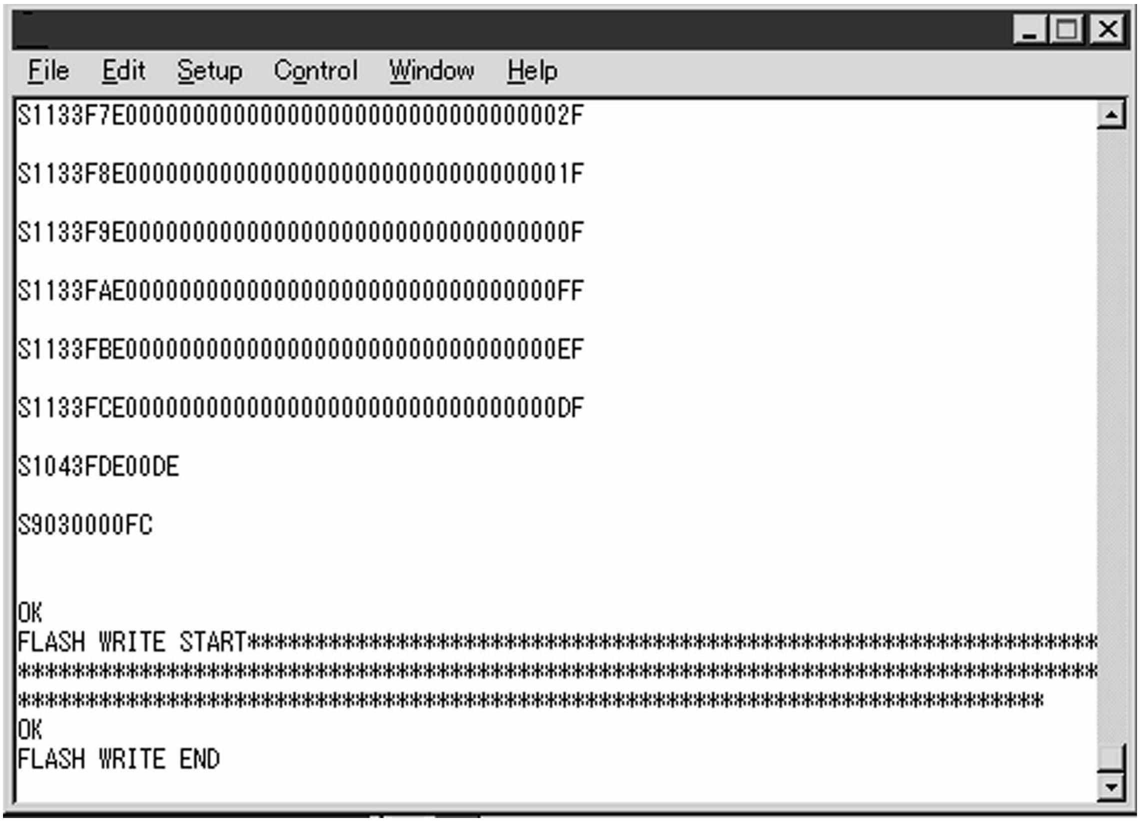
```
send file:main.bhx,  1668000 /1698971 Bytes
send file:main.bhx,  1670000 /1698971 Bytes
send file:main.bhx,  1672000 /1698971 Bytes
send file:main.bhx,  1674000 /1698971 Bytes
send file:main.bhx,  1676000 /1698971 Bytes
send file:main.bhx,  1678000 /1698971 Bytes
send file:main.bhx,  1680000 /1698971 Bytes
send file:main.bhx,  1682000 /1698971 Bytes
send file:main.bhx,  1684000 /1698971 Bytes
send file:main.bhx,  1686000 /1698971 Bytes
send file:main.bhx,  1688000 /1698971 Bytes
send file:main.bhx,  1690000 /1698971 Bytes
send file:main.bhx,  1692000 /1698971 Bytes
send file:main.bhx,  1694000 /1698971 Bytes
send file:main.bhx,  1696000 /1698971 Bytes
send file:main.bhx,  1698000 /1698971 Bytes
send file:main.bhx,  1698971 /1698971 Bytes
ファイル転送終了。結果待ち
OK
OK受信 成功
```

[How to rewrite the monitor program]

1) After entering the process adjustment mode, start up the terminal software obtained separately.
   (Freeware products available on the Internet can be used.)
2) Make setting as shown below.
   Baud rate: 9600
   Data: 8 bits
   Parity: NONE
   Stop: 1 bit
   Flow control: NONE
3) If the above setting is made correctly, pressing the "ENTER" key on the PC will make "ERR" appear on the terminal software.
4) In this state, type the following. (↵ means the ENTER key.)
   The characters displayed on the screen disappear and the screen becomes black.
   IPL_0002 ↵

∗ Immediately after the above entry, an unusual display may be appear on the terminal software, which means no abnormal condition.

5) Change the baud rate to 115200.
6) Press the "ENTER" key to make appear the following display
   ERR
   SEND "MONITOR PROG UPDATE PROGRAM" from PC to MR
7) Using the file transmission function (function to transmit specified file contents) of the terminal software, select the decompressed file (specified by the attached documentation) in the directory on the PC and execute transmission.
8) When the following display appears on the terminal software, rewriting of the monitor program has been completed. (Its contents may vary depending on the terminal software or program.)
   Unplug the power cord to turn off the power and then turn it on again.
9) For confirmation, enter the process adjustment mode again and check that the version information shown on the line "Monitor Version" on the 1st page corresponds to the new version shown on the attached documentation.



```
S1133F7E000000000000000000000000000000002F

S1133F8E000000000000000000000000000000001F

S1133F9E000000000000000000000000000000000F

S1133FAE00000000000000000000000000000000FF

S1133FBE00000000000000000000000000000000EF

S1133FCE00000000000000000000000000000000DF

S1043FDE00DE

S9030000FC


OK
FLASH WRITE START***************************************************************
********************************************************************************
****************************************************************************
OK
FLASH WRITE END
```

ADJUSTMENT PROCEDURES (Display)

The adjustment values are set to the optimum conditions at the factory before shipping. If a value should become improper or an adjustment is required due to part replacement, make an adjustment according to the following procedure.

1. Preparation
   Note that the unit should be replaced when the receiver IC (IC2206), HDCP key ROM (IC2208) or microprocessor (IC2004) is replaced.
   Applicable unit: DKEYHC016FE53

2. Adjusting procedure
   Entering the adjustment process mode → VLS BIAS (15V) voltage adjustment → GRAY LEVEL (14.5V) voltage adjustment → COM BIAS adjustment → Background adjustment

3. How to enter the adjustment process mode
   (1) When the AVC System is not connected
   - Turn OFF the monitor main power. Turning ON the monitor main power while pressing the "INPUT" key and "VOL (–)" key on the top face of the monitor main body together will establish the "Monitor Process" mode.

   (2) When the AVC System is connected
   - Turn OFF the monitor main power. Turning ON the monitor main power while pressing the "CH (∨)" key and "VOL (+)" key on the top face of the monitor main body together will establish "Monitor Process" mode.

   In each case of (1) and (2), "<K>" is displayed in the upper left portion of the screen.
   Then, pressing any key will bring you to the first page of the "Monitor Adjustment" mode.
   ∗ To exit the adjustment process mode, turn OFF the main power.

4. Adjustment process mode key operation table

Key	Function 1 (when on the left side of a page)	Function 2 (when changing a numeric value)
Cursor UP	Moving up by one item or moving to the previous page (when at the top)	Incrementing the adjustment value by one or executing the item (in the case of W or R items)
Cursor DOWN	Moving down by one item or moving to the next page (when at the bottom)	Decrementing the adjustment value by one or executing the item (in the case of W or R items)
Cursor RIGHT	Moving to the right by one item or moving to another page (in the case of the initial page)	Moving to the right by one item
Cursor LEFT	Moving to the left by one item or moving to another page (in the case of the initial page)	Moving to the left by one item
ENTER	Test pattern off	Executing the item (in the case of W or R items)
INPUT	Moving to the next page	Moving to the next page
CH (∧)	Moving down by one item or moving to the next page (when at the bottom)	Incrementing the adjustment value by one or executing the item (in the case of W or R items)
CH (∨)	Moving down by one item or moving to the next page (when at the bottom)	Decrementing the adjustment value by one or executing the item (in the case of W or R items)
VOL (+)	Moving to the right by one item or moving to another page (in the case of the initial page)	Moving to the right by one item
VOL (–)	Moving to the left by one item or moving to another page (in the case of the initial page)	Moving to the left by one item

5. Adjustment

5-1.VLS BIAS (15V) voltage adjustment

Shift to the "VLS BIAS" item with the cursor UP/DOWN key and select a numeric value with the cursor RIGHT/LEFT key.

Connect a digital volt meter to TP4101 (or C4180+) on the monitor PWB and make a adjustment with the cursor UP/DOWN key so that the voltage becomes 15.00V±0.05V.

5-2.GRAY LEVEL (14.5V) voltage adjustment

Shift to the "GRAY LEVEL" item with the cursor UP/DOWN key and select a numeric value with the cursor RIGHT/LEFT key.

Connect a digital volt meter to TP4104 (near IC4105) on the monitor PWB and make a adjustment with the cursor UP/DOWN key so that the voltage becomes 14.50V±0.05V.

Because this voltage is a gray scale reference voltage, adjust it correctly.

5-3.COM BIAS adjustment

Shift to the "COM BIAS" item with the cursor UP/DOWN key and select a numeric value with the cursor RIGHT/LEFT key.

Changing the numeric value with the cursor UP/DOWN key will make appear the test pattern. Make an adjustment so that the flicker near the center of the screen is minimized.

5-4.Background adjustment

Start up the set with the AVC System connected and adjust the background of the monitor.

- Procedure

-1) Display the adjustment screen (200-level gray scale on High side, 48-level gray scale on Low side).

-2) Adjust "R OFFSET", "G OFFSET" and "B OFFSET" so that the 200-level gray scale pattern becomes normative.
Adjust the chromaticity of the High pattern (in the left portion of the screen) so that x = 0.287 and y = 0.302.

-3) Adjust "R GAMMA", "G GAMMA" and "B GAMMA" so that the 48-level gray scale pattern becomes normative.
Adjust the chromaticity of the Low pattern (in the right portion of the screen) so that x = 0.275 and y = 0.280.

The above-mentioned adjustments can be made according to the following procedure.

(1) Adjusting method using RS-232C

- Get a personal computer with a COM port (RS-232C) equipped with WINDOWS 95/98/me/2000/xp and a RS-232C crossing cable
- Start up the set with the RS-232C cable connected.
- Start up the terminal software.
  (Freeware products available on the Internet can be used.)
- Make setting as shown below.
  Baud rate : 9600
  Data : 8 bits
  Parity : None
  Stop : 1 bit
  Flow control : None
- If the above setting is made correctly, pressing the "ENTER" key on the PC will make "ERR" appear on the terminal software.
- In this state, entering a command shown in the table bellow and pressing the "ENTER" key will allow you to make an adjustment.

  If "OK" is displayed on the terminal software after the "ENTER" key is pressed, the command has been entered successfully.
  If "ERR" is displayed, enter the command again.

RS232C command table

Command	Function	Remarks
MSET1001	Used to start the background adjustment.	The adjustment ends with a numeric value other than 1001.
MOFR****	Used to adjust the value of R OFFSET.	Range: 0000 to 0512 (Initial value: 0255)
MOFG****	Used to adjust the value of G OFFSET.	Range: 0000 to 0512 (Initial value: 0255)
MOFB****	Used to adjust the value of B OFFSET.	Range: 0000 to 0512 (Initial value: 0255)
MGAR****	Used to adjust the value of R GAMMA.	Range: 0000 to 0255 (Initial value: 0100)
MGAG****	Used to adjust the value of G GAMMA.	Range: 0000 to 0255 (Initial value: 0100)
MGAB****	Used to adjust the value of B GAMMA.	Range: 0000 to 0255 (Initial value: 0100)
MINF0000	Used to display the R GAMMA table.	
MINF0001	Used to display the B GAMMA table.	
MINF0002	Used to display the G GAMMA table.	

Lamp error detection

1. Feature description

   This liquid-crystal TV incorporates a lamp error detection feature (lamp error detection) that automatically turns OFF the power for safety under abnormal lamp or lamp circuit conditions.

   If anything is wrong with the lamp or lamp circuit or the lamp error detection feature is activated for some reason, the following will result.

   ① The power of TV main body is turned OFF about 13 seconds after it is turned ON. (The power LED on the front of the TV turns red from green and keeps blinking in red (ON for 250ms and OFF for 1sec).)

   ② If ① occurs five times consecutively, it becomes impossible to turn ON the power. (The power LED keeps blinking in red (ON for 250ms and OFF for 1sec).)

2. Measures

   2-1.Checking with lamp error detection OFF

   Disconnect the cable connected to the AVC System Turn OFF the monitor main power. Turning ON the monitor main power while pressing the "INPUT" key and "VOL (–)" key together will establish the "Monitor Process" mode ("<K>" is displayed).

   Then, pressing any key will bring you to the first page of the "Monitor Process" mode.

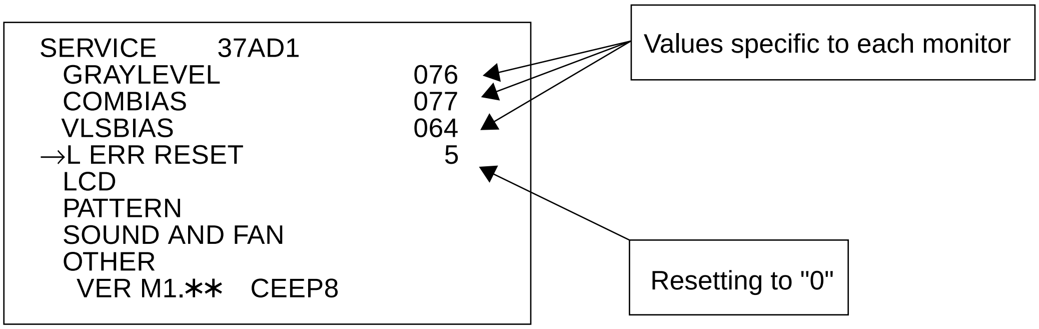
   This allow you to check the lamp and lamp circuit for abnormal conditions.

   Check that "L ERR RESET" on the fourth line of the first page of the "Monitor Process" mode is 1 or more. If it is 1 or more, a lamp error has been detected.

   2-2.Reset of lamp error count

   After checking the lamp and lamp circuit for abnormal conditions, reset the lamp error count. Move the arrow to "L ERR RESET" on the fourth line of the first page of the "Monitor Process" mode with the cursor UP/DOWN key and select the numeric value of "L ERR RESET" with the cursor RIGHT/LEFT key. In this state, press the cursor UP/DOWN key to reset it to "0".

First page of monitor process mode



```
SERVICE      37AD1
  GRAYLEVEL                076
  COMBIAS                  077
  VLSBIAS                  064
→L ERR RESET                 5
  LCD
  PATTERN
  SOUND AND FAN
  OTHER
   VER M1.∗∗   CEEP8
```

Values specific to each monitor

Resetting to "0"

Then perform operation checking and check that the lamp error detection feature is not activated.

- List of process adjustment modes (Display)

Table of contents of process mode Page 0

```
  0123456789ABCDEF
0 SERVICE   37AD1
1 →GRAYLEVEL 000
2  COMBIAS   000
3  VLSBIAS   000
4  L ERR RESET 0
5  LCD
6  PATTERN
7  SOUND AND FAN
8  OTHER
9   VER M100 CEEP7
```

LCD Page 1

```
  0123456789ABCD
0 LCD
1 →MODE   60HZ 0
2  PWMCTRL    00
3  PWMFREQ  0000
4  PWMDUTY1 0000
5  PWMDUTY2 0000
6  PHASEDIF  000
7  PCLK1       0
8  PCLK2       0
9
```

PATTERN Page 1

```
  0123456789ABCD
0 PATTERN
1 →PATTERN1   00
2  PATTERN2   00
3  PATTERN3   00
4  PATTERNR  000
5  PATTERNG  000
6  PATTERNB  000
7 R GA100 OF255
8 G GA100 OF255
9 B GA100 OF255
```

LCD Page 2

```
  0123456789ABCD
0 LCD
1 →MODE   60HZ 0
2  OS SW       0
3  OS D1     000
4  OS D2     000
5  OS D3     000
6  OS D4     000
7  OS D5     000
8  OS D6     000
9  OS D7     000
```

SOUND Page 1

```
  0123456789ABCD
0 SOUND
1 →TRREBLE   000
2  BASS      000
3  LOUDESS   000
4  VOLUME    000
5  BALANCE   000
6  MUTE      000
7  FAN START 000
8  FAN STOP  000
9  TEMP ERR  000
```

LCD Page 3

```
  0123456789ABCD
0 LCD
1 →OPC 0      00
2  OPC 1      00
3  OPC 2      00
4  OPC 3      00
5  OPC 4      00
6  OPC 5      00
7  OPC 6      00
8  OPC 7      00
9  OPC 8      00
```

OTHER Page 1

```
  0123456789ABCD
0 OTHER
1 →CLR MODE    0
2             W0
3  LCD DATA 0000
4           R0W0
5  EEP C 0000000
6           R0W0
7  SII861 000000
8           R0W0
9
```

LCD Page 4

```
  0123456789ABCD
0 LCD
1 →OPC 9      00
2  OPC10      00
3  OPC11      00
4  OPC12      00
5  OPC13      00
6  OPC14      00
7  OPC15      00
8  OPC16      00
9  GAMMA5      0
```

OTHER Page 2

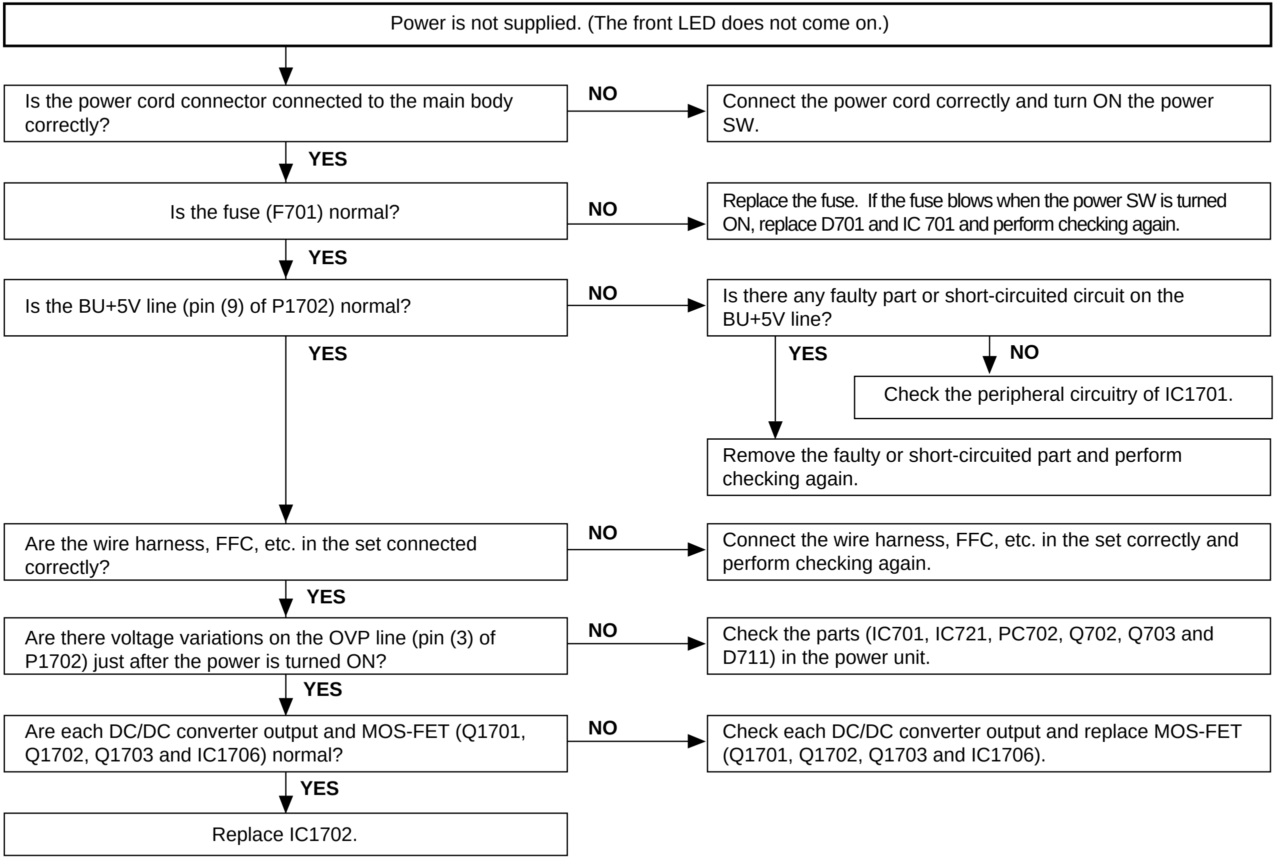
```
  0123456789ABCD
0 OTHER   37AD1
1 →L ERR STOP  0
2  MODEL       0
3  REMOCON     0
4
5  OSTEMP AD 000
6  OPC AD    000
```

Process adjustment list

1st level	Page	Item	Setting range	Initial value
Contents	0	GRAYLEVEL	0~255	112
		COM BIAS	0~255	87
		VLS BIAS	0~255	41
		L ERR RESET	Zero clear	0
LCD	1	MODE	50Hz, 60Hz, PC	60Hz
		PWM CTRL	0~7	7
		PWM FREQ	0~4095	1289
		PWM DUTY1	0~4095	0
		PWM DUTY2	0~4095	0
		PHASDIF	0~255	0
		PCLK1	0~3	0
		PCLK2	0~7	0
	2	MODE	50Hz, 60Hz, PC	60Hz
		OS SW	0~1	0
		OS D1	0~255	110
		OS D2	0~255	123
		OS D3	0~255	135
		OS D4	0~255	155
		OS D5	0~255	167
		OS D6	0~255	174
		OS D7	0~255	179
	3	MODE	50Hz, 60Hz, PC	60Hz
		OPC 0	0~85	00
		OPC 1	0~85	20
		OPC 2	0~85	29
		OPC 3	0~85	38
		OPC 4	0~85	47
		OPC 5	0~85	56
		OPC 6	0~85	65
		OPC 7	0~85	75
	4	MODE	50Hz, 60Hz, PC	60Hz
		OPC 8	0~85	85
		OS AUTO	0~1	0
PATTERN	1	PATTERN1	0~14	0
		PATTERN2	0~12	0
		R GAMMA	20~180 Display only	100
		R OFFSET	0~510 Display only	255
		G GAMMA	20~180 Display only	100
		G OFFSET	0~510 Display only	255
		B GAMMA	20~180 Display only	100
		B OFFSET	0~510 Display only	255
SOUND	1	100HZ	0~255	92
		400HZ	0~255	96
		1KHZ	0~255	145
		4KHZ	0~255	187
		10KHZ	0~255	187
		FAN START	0~255	224
		FAN END	0~255	230
		TEMP ERR	0~255	55
OTHER	1	CLR MODE	1 digit 0~4	0
			W	–
		LCD DATA	4 digits 0~F	–
			R/W	–
		EEPROM	7 digits 0~F	–
			R/W	–
		SII861	6 digits 0~F	–
			R/W	–
	2	L ERR STOP	0~1	0
		MODE	0~4	0
		REMOCON	0~1	0
		OSTEMP AD	0~255	AD value
		OPC AD	0~255	AD value

TROUBLE SHOOTING TABLE

AVC System



Power is not supplied. (The front LED does not come on.)

Is the power cord connector connected to the main body correctly?

Connect the power cord correctly and turn ON the power SW.

Is the fuse (F701) normal?

Replace the fuse. If the fuse blows when the power SW is turned ON, replace D701 and IC 701 and perform checking again.

Is the BU+5V line (pin (9) of P1702) normal?

Is there any faulty part or short-circuited circuit on the BU+5V line?

Check the peripheral circuitry of IC1701.

Remove the faulty or short-circuited part and perform checking again.

Are the wire harness, FFC, etc. in the set connected correctly?

Connect the wire harness, FFC, etc. in the set correctly and perform checking again.

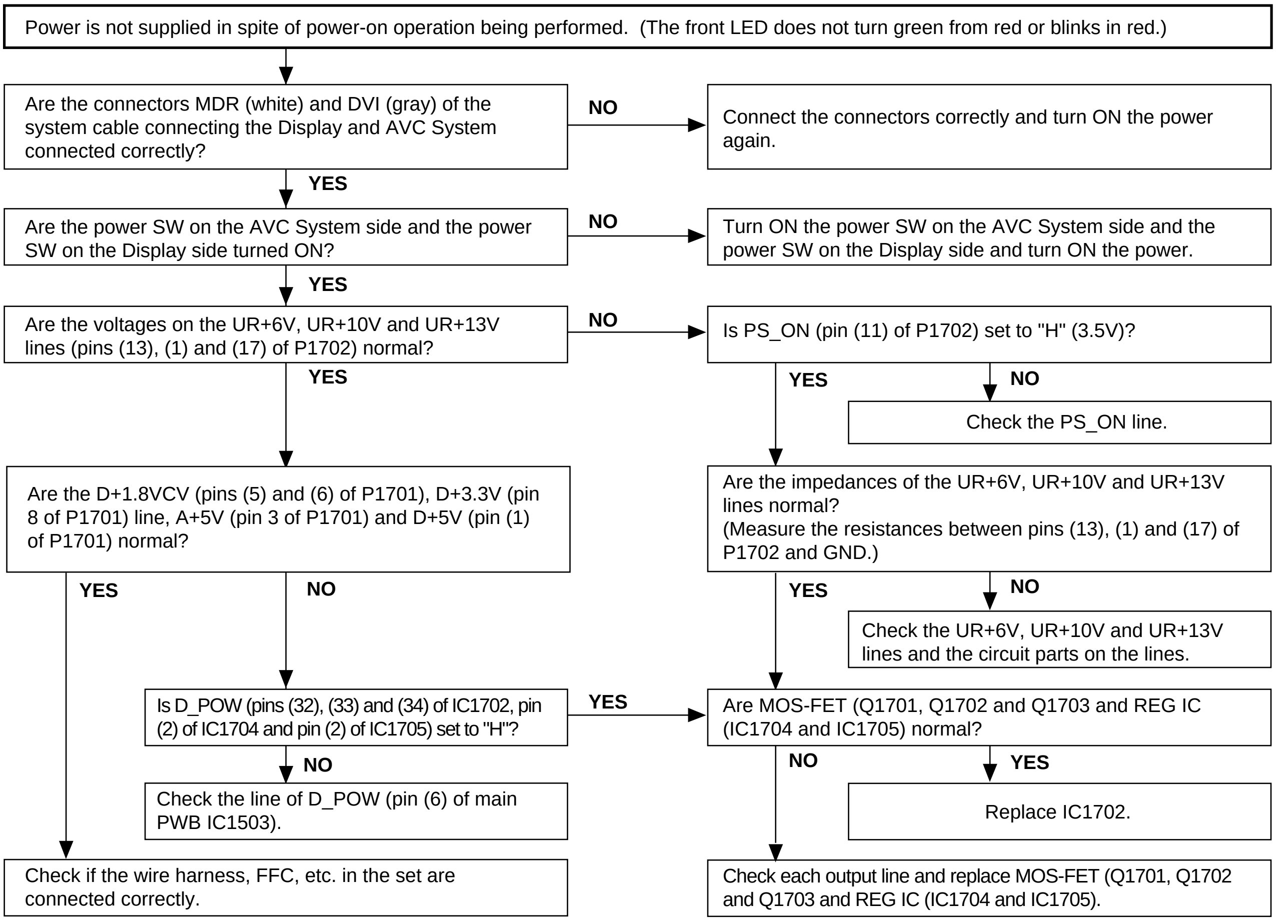
Are there voltage variations on the OVP line (pin (3) of P1702) just after the power is turned ON?

Check the parts (IC701, IC721, PC702, Q702, Q703 and D711) in the power unit.

Are each DC/DC converter output and MOS-FET (Q1701, Q1702, Q1703 and IC1706) normal?

Check each DC/DC converter output and replace MOS-FET (Q1701, Q1702, Q1703 and IC1706).

Replace IC1702.



Power is not supplied in spite of power-on operation being performed. (The front LED does not turn green from red or blinks in red.)

Are the connectors MDR (white) and DVI (gray) of the system cable connecting the Display and AVC System connected correctly?

Connect the connectors correctly and turn ON the power again.

Are the power SW on the AVC System side and the power SW on the Display side turned ON?

Turn ON the power SW on the AVC System side and the power SW on the Display side and turn ON the power.

Are the voltages on the UR+6V, UR+10V and UR+13V lines (pins (13), (1) and (17) of P1702) normal?

Is PS_ON (pin (11) of P1702) set to "H" (3.5V)?

Check the PS_ON line.

Are the D+1.8VCV (pins (5) and (6) of P1701), D+3.3V (pin 8 of P1701) line, A+5V (pin 3 of P1701) and D+5V (pin (1) of P1701) normal?

Are the impedances of the UR+6V, UR+10V and UR+13V lines normal?
(Measure the resistances between pins (13), (1) and (17) of P1702 and GND.)

Check the UR+6V, UR+10V and UR+13V lines and the circuit parts on the lines.

Is D_POW (pins (32), (33) and (34) of IC1702, pin (2) of IC1704 and pin (2) of IC1705) set to "H"?

Are MOS-FET (Q1701, Q1702 and Q1703 and REG IC (IC1704 and IC1705) normal?

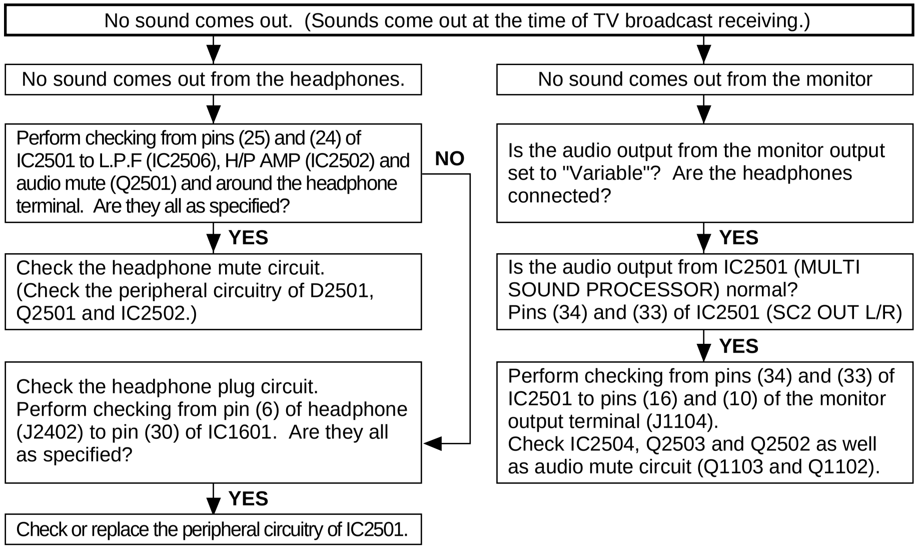
Check the line of D_POW (pin (6) of main PWB IC1503).

Replace IC1702.

Check if the wire harness, FFC, etc. in the set are connected correctly.

Check each output line and replace MOS-FET (Q1701, Q1702 and Q1703 and REG IC (IC1704 and IC1705).

AVC System



No sound comes out. (Sounds come out at the time of TV broadcast receiving.)

No sound comes out from the headphones.

Perform checking from pins (25) and (24) of IC2501 to L.P.F (IC2506), H/P AMP (IC2502) and audio mute (Q2501) and around the headphone terminal. Are they all as specified?

YES

Check the headphone mute circuit. (Check the peripheral circuitry of D2501, Q2501 and IC2502.)

NO

Check the headphone plug circuit. Perform checking from pin (6) of headphone (J2402) to pin (30) of IC1601. Are they all as specified?

YES

Check or replace the peripheral circuitry of IC2501.

No sound comes out from the monitor

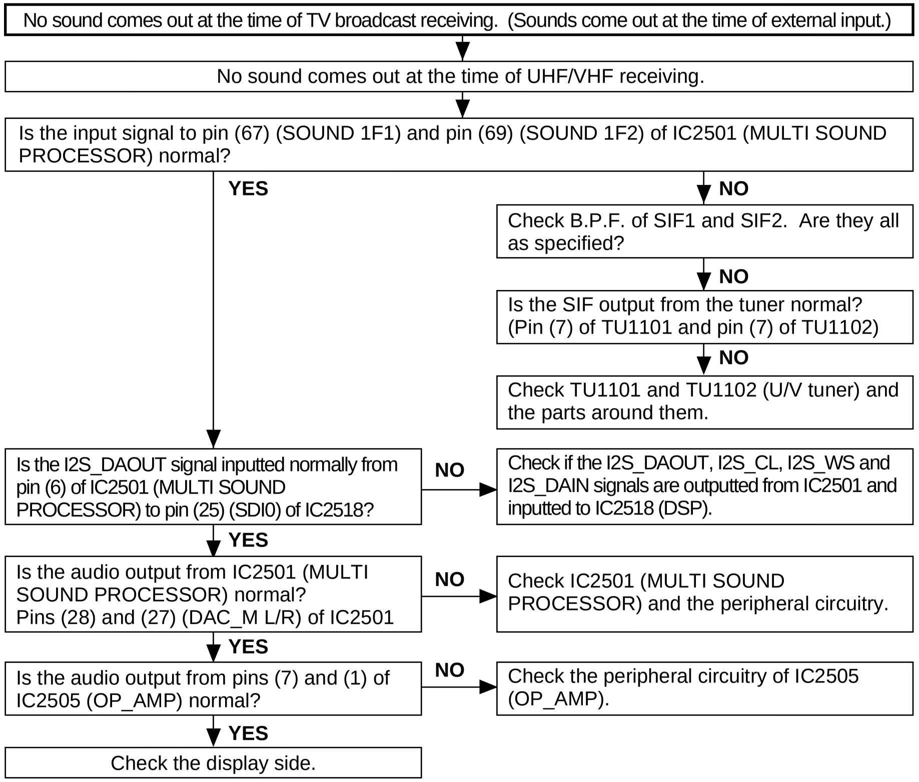
Is the audio output from the monitor output set to "Variable"? Are the headphones connected?

YES

Is the audio output from IC2501 (MULTI SOUND PROCESSOR) normal? Pins (34) and (33) of IC2501 (SC2 OUT L/R)

YES

Perform checking from pins (34) and (33) of IC2501 to pins (16) and (10) of the monitor output terminal (J1104). Check IC2504, Q2503 and Q2502 as well as audio mute circuit (Q1103 and Q1102).



No sound comes out at the time of TV broadcast receiving. (Sounds come out at the time of external input.)

No sound comes out at the time of UHF/VHF receiving.

Is the input signal to pin (67) (SOUND 1F1) and pin (69) (SOUND 1F2) of IC2501 (MULTI SOUND PROCESSOR) normal?

NO

Check B.P.F. of SIF1 and SIF2. Are they all as specified?

NO

Is the SIF output from the tuner normal? (Pin (7) of TU1101 and pin (7) of TU1102)

NO

Check TU1101 and TU1102 (U/V tuner) and the parts around them.

YES

Is the I2S_DAOUT signal inputted normally from pin (6) of IC2501 (MULTI SOUND PROCESSOR) to pin (25) (SDI0) of IC2518?

NO

Check if the I2S_DAOUT, I2S_CL, I2S_WS and I2S_DAIN signals are outputted from IC2501 and inputted to IC2518 (DSP).

YES

Is the audio output from IC2501 (MULTI SOUND PROCESSOR) normal? Pins (28) and (27) (DAC_M L/R) of IC2501

NO

Check IC2501 (MULTI SOUND PROCESSOR) and the peripheral circuitry.

YES

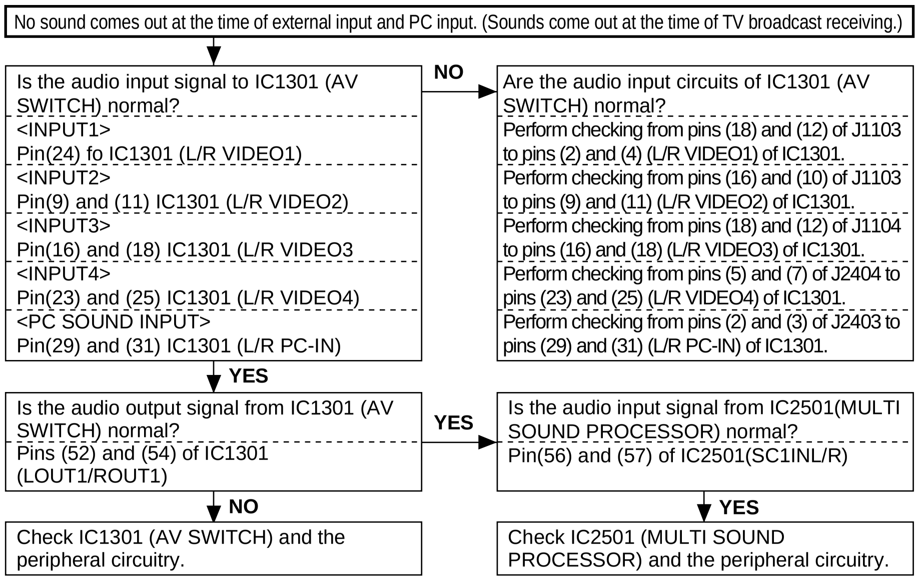
Is the audio output from pins (7) and (1) of IC2505 (OP_AMP) normal?

NO

Check the peripheral circuitry of IC2505 (OP_AMP).

YES

Check the display side.



No sound comes out at the time of external input and PC input. (Sounds come out at the time of TV broadcast receiving.)

Is the audio input signal to IC1301 (AV SWITCH) normal?
<INPUT1>
Pin(24) fo IC1301 (L/R VIDEO1)
<INPUT2>
Pin(9) and (11) IC1301 (L/R VIDEO2)
<INPUT3>
Pin(16) and (18) IC1301 (L/R VIDEO3
<INPUT4>
Pin(23) and (25) IC1301 (L/R VIDEO4)
<PC SOUND INPUT>
Pin(29) and (31) IC1301 (L/R PC-IN)

NO

Are the audio input circuits of IC1301 (AV SWITCH) normal?
Perform checking from pins (18) and (12) of J1103 to pins (2) and (4) (L/R VIDEO1) of IC1301.
Perform checking from pins (16) and (10) of J1103 to pins (9) and (11) (L/R VIDEO2) of IC1301.
Perform checking from pins (18) and (12) of J1104 to pins (16) and (18) (L/R VIDEO3) of IC1301.
Perform checking from pins (5) and (7) of J2404 to pins (23) and (25) (L/R VIDEO4) of IC1301.
Perform checking from pins (2) and (3) of J2403 to pins (29) and (31) (L/R PC-IN) of IC1301.

YES

Is the audio output signal from IC1301 (AV SWITCH) normal?
Pins (52) and (54) of IC1301 (LOUT1/ROUT1)

NO

Check IC1301 (AV SWITCH) and the peripheral circuitry.

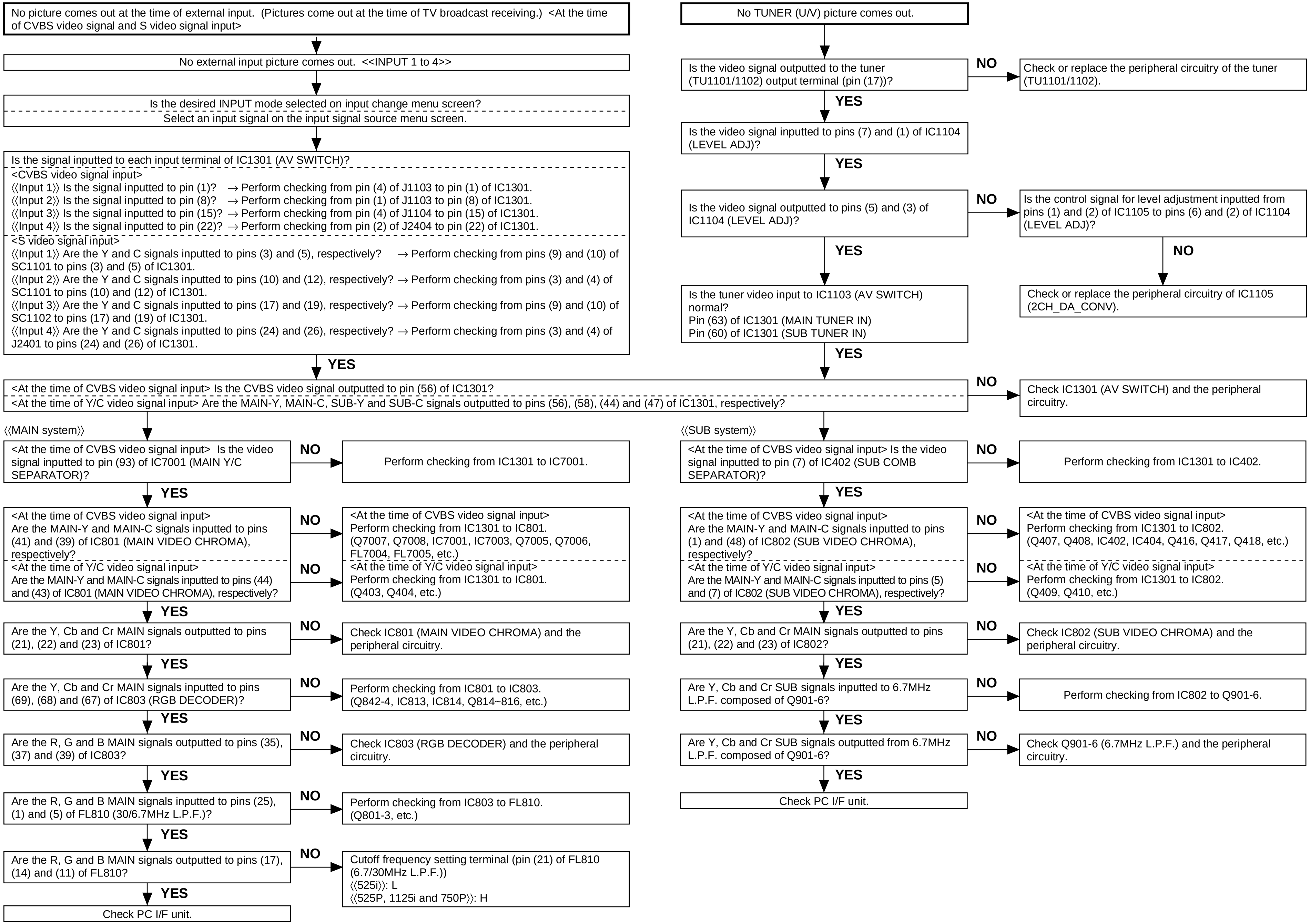
YES

Is the audio input signal from IC2501(MULTI SOUND PROCESSOR) normal?
Pin(56) and (57) of IC2501(SC1INL/R)

YES

Check IC2501 (MULTI SOUND PROCESSOR) and the peripheral circuitry.

AVC System



No picture comes out at the time of external input. (Pictures come out at the time of TV broadcast receiving.) <At the time of CVBS video signal and S video signal input>

No external input picture comes out. <<INPUT 1 to 4>>

Is the desired INPUT mode selected on input change menu screen?

Select an input signal on the input signal source menu screen.

Is the signal inputted to each input terminal of IC1301 (AV SWITCH)?

<CVBS video signal input>

⟨⟨Input 1⟩⟩ Is the signal inputted to pin (1)? → Perform checking from pin (4) of J1103 to pin (1) of IC1301.

⟨⟨Input 2⟩⟩ Is the signal inputted to pin (8)? → Perform checking from pin (1) of J1103 to pin (8) of IC1301.

⟨⟨Input 3⟩⟩ Is the signal inputted to pin (15)? → Perform checking from pin (4) of J1104 to pin (15) of IC1301.

⟨⟨Input 4⟩⟩ Is the signal inputted to pin (22)? → Perform checking from pin (2) of J2404 to pin (22) of IC1301.

<S video signal input>

⟨⟨Input 1⟩⟩ Are the Y and C signals inputted to pins (3) and (5), respectively? → Perform checking from pins (9) and (10) of SC1101 to pins (3) and (5) of IC1301.

⟨⟨Input 2⟩⟩ Are the Y and C signals inputted to pins (10) and (12), respectively? → Perform checking from pins (3) and (4) of SC1101 to pins (10) and (12) of IC1301.

⟨⟨Input 3⟩⟩ Are the Y and C signals inputted to pins (17) and (19), respectively? → Perform checking from pins (9) and (10) of SC1102 to pins (17) and (19) of IC1301.

⟨⟨Input 4⟩⟩ Are the Y and C signals inputted to pins (24) and (26), respectively? → Perform checking from pins (3) and (4) of J2401 to pins (24) and (26) of IC1301.

YES

No TUNER (U/V) picture comes out.

Is the video signal outputted to the tuner (TU1101/1102) output terminal (pin (17))?

NO

Check or replace the peripheral circuitry of the tuner (TU1101/1102).

YES

Is the video signal inputted to pins (7) and (1) of IC1104 (LEVEL ADJ)?

YES

Is the video signal outputted to pins (5) and (3) of IC1104 (LEVEL ADJ)?

NO

Is the control signal for level adjustment inputted from pins (1) and (2) of IC1105 to pins (6) and (2) of IC1104 (LEVEL ADJ)?

NO

Check or replace the peripheral circuitry of IC1105 (2CH_DA_CONV).

YES

Is the tuner video input to IC1103 (AV SWITCH) normal?
Pin (63) of IC1301 (MAIN TUNER IN)
Pin (60) of IC1301 (SUB TUNER IN)

YES

<At the time of CVBS video signal input> Is the CVBS video signal outputted to pin (56) of IC1301?

<At the time of Y/C video signal input> Are the MAIN-Y, MAIN-C, SUB-Y and SUB-C signals outputted to pins (56), (58), (44) and (47) of IC1301, respectively?

NO

Check IC1301 (AV SWITCH) and the peripheral circuitry.

⟨⟨MAIN system⟩⟩

<At the time of CVBS video signal input> Is the video signal inputted to pin (93) of IC7001 (MAIN Y/C SEPARATOR)?

NO

Perform checking from IC1301 to IC7001.

YES

<At the time of CVBS video signal input>
Are the MAIN-Y and MAIN-C signals inputted to pins (41) and (39) of IC801 (MAIN VIDEO CHROMA), respectively?

NO

<At the time of CVBS video signal input>
Perform checking from IC1301 to IC801.
(Q7007, Q7008, IC7001, IC7003, Q7005, Q7006, FL7004, FL7005, etc.)

<At the time of Y/C video signal input>
Are the MAIN-Y and MAIN-C signals inputted to pins (44) and (43) of IC801 (MAIN VIDEO CHROMA), respectively?

NO

<At the time of Y/C video signal input>
Perform checking from IC1301 to IC801.
(Q403, Q404, etc.)

YES

Are the Y, Cb and Cr MAIN signals outputted to pins (21), (22) and (23) of IC801?

NO

Check IC801 (MAIN VIDEO CHROMA) and the peripheral circuitry.

YES

Are the Y, Cb and Cr MAIN signals inputted to pins (69), (68) and (67) of IC803 (RGB DECODER)?

NO

Perform checking from IC801 to IC803.
(Q842-4, IC813, IC814, Q814~816, etc.)

YES

Are the R, G and B MAIN signals outputted to pins (35), (37) and (39) of IC803?

NO

Check IC803 (RGB DECODER) and the peripheral circuitry.

YES

Are the R, G and B MAIN signals inputted to pins (25), (1) and (5) of FL810 (30/6.7MHz L.P.F.)?

NO

Perform checking from IC803 to FL810.
(Q801-3, etc.)

YES

Are the R, G and B MAIN signals outputted to pins (17), (14) and (11) of FL810?

NO

Cutoff frequency setting terminal (pin (21) of FL810 (6.7/30MHz L.P.F.))
⟨⟨525i⟩⟩: L
⟨⟨525P, 1125i and 750P⟩⟩: H

YES

Check PC I/F unit.

⟨⟨SUB system⟩⟩

<At the time of CVBS video signal input> Is the video signal inputted to pin (7) of IC402 (SUB COMB SEPARATOR)?

NO

Perform checking from IC1301 to IC402.

YES

<At the time of CVBS video signal input>
Are the MAIN-Y and MAIN-C signals inputted to pins (1) and (48) of IC802 (SUB VIDEO CHROMA), respectively?

NO

<At the time of CVBS video signal input>
Perform checking from IC1301 to IC802.
(Q407, Q408, IC402, IC404, Q416, Q417, Q418, etc.)

<At the time of Y/C video signal input>
Are the MAIN-Y and MAIN-C signals inputted to pins (5) and (7) of IC802 (SUB VIDEO CHROMA), respectively?

NO

<At the time of Y/C video signal input>
Perform checking from IC1301 to IC802.
(Q409, Q410, etc.)

YES

Are the Y, Cb and Cr MAIN signals outputted to pins (21), (22) and (23) of IC802?

NO

Check IC802 (SUB VIDEO CHROMA) and the peripheral circuitry.

YES

Are Y, Cb and Cr SUB signals inputted to 6.7MHz L.P.F. composed of Q901-6?

NO

Perform checking from IC802 to Q901-6.

YES

Are Y, Cb and Cr SUB signals outputted from 6.7MHz L.P.F. composed of Q901-6?

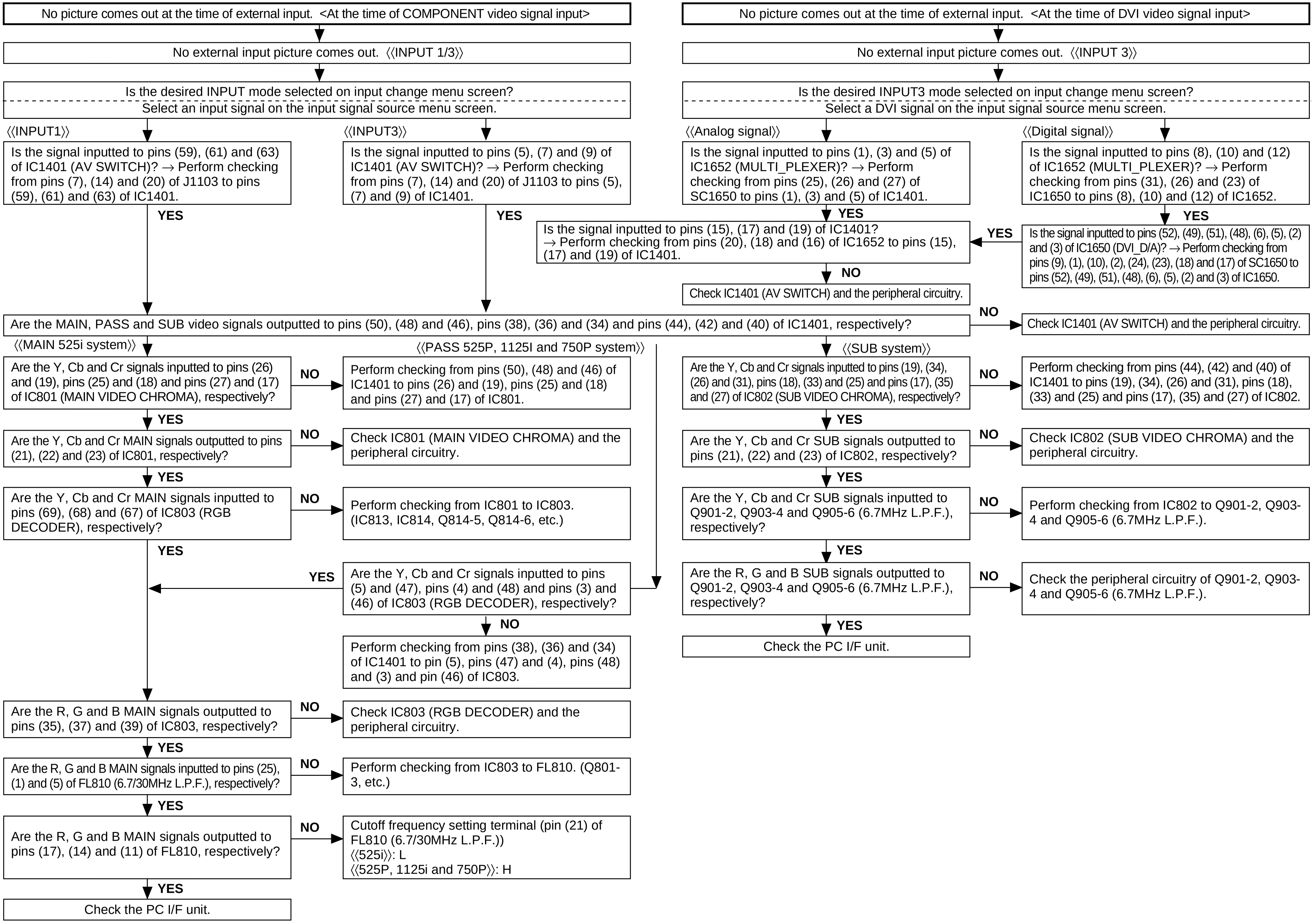
NO

Check Q901-6 (6.7MHz L.P.F.) and the peripheral circuitry.

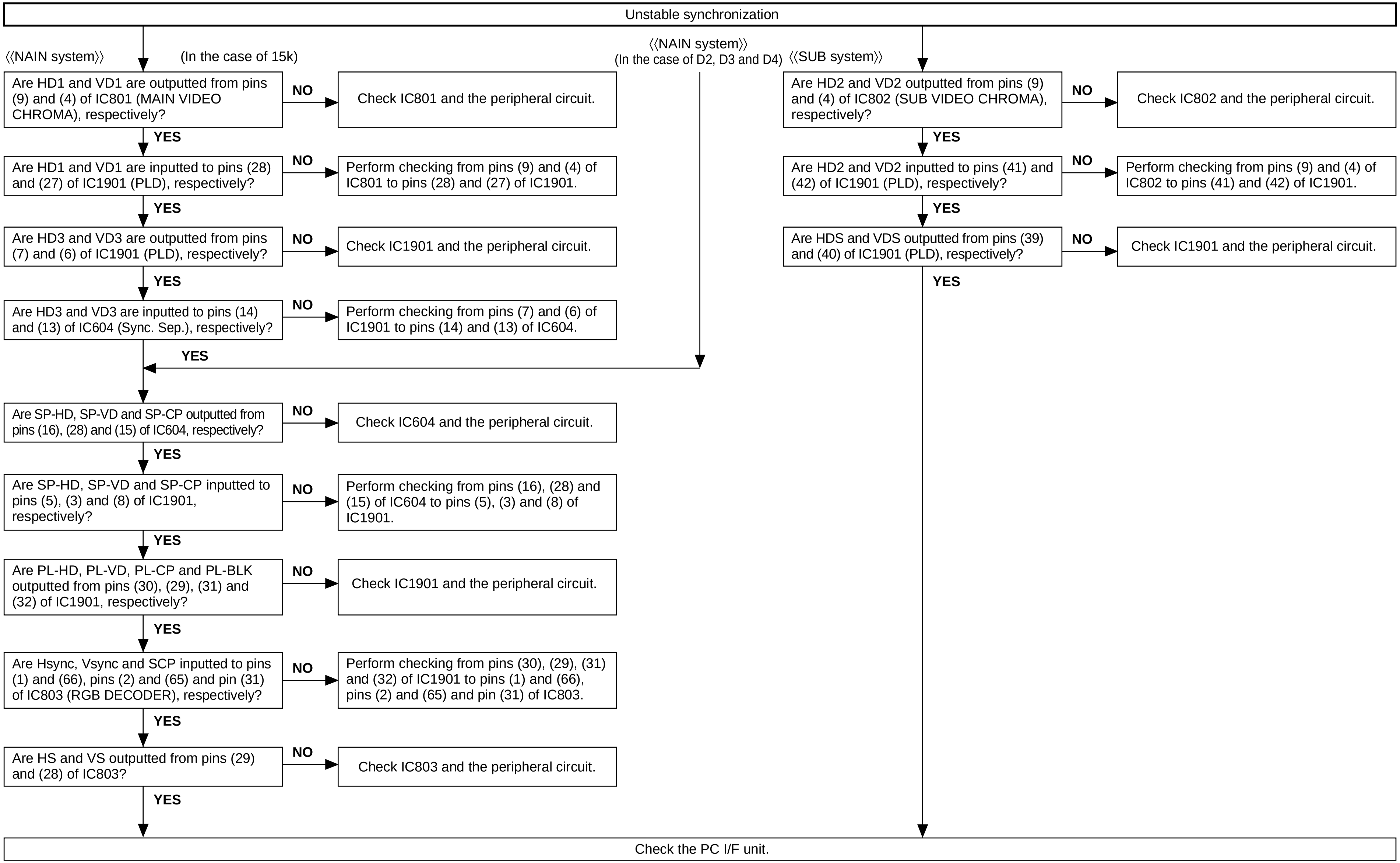
YES

Check PC I/F unit.

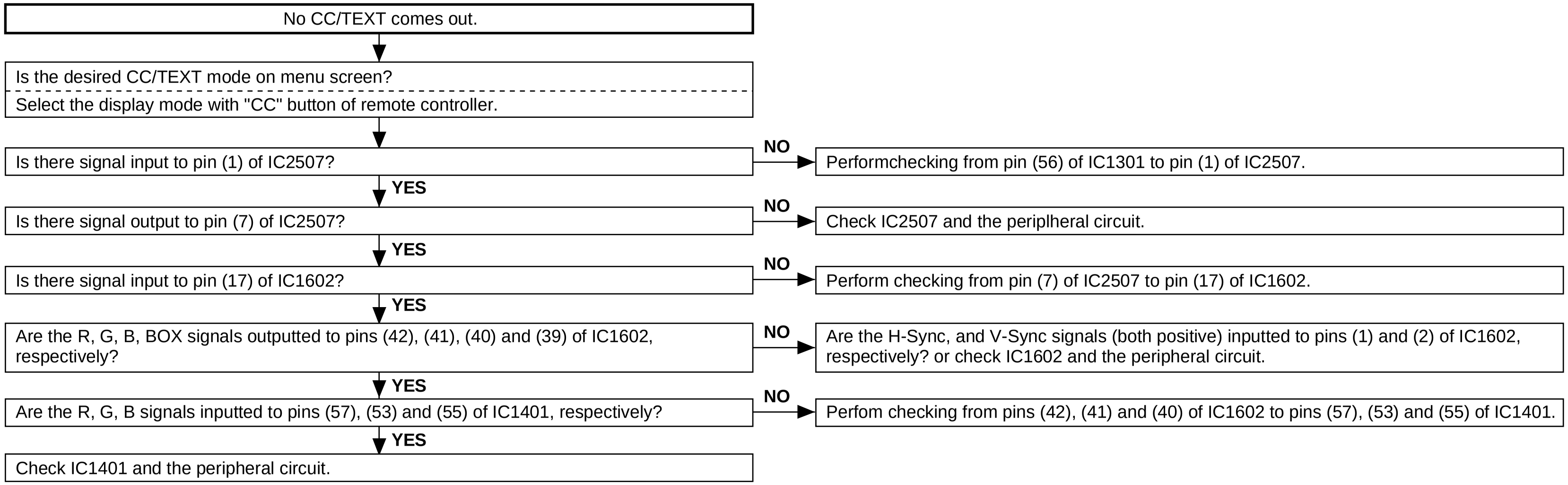
AVC System


No picture comes out at the time of external input. <At the time of COMPONENT video signal input>
No external input picture comes out. 《INPUT 1/3》
Is the desired INPUT mode selected on input change menu screen?
Select an input signal on the input signal source menu screen.
《INPUT1》
Is the signal inputted to pins (59), (61) and (63) of IC1401 (AV SWITCH)? → Perform checking from pins (7), (14) and (20) of J1103 to pins (59), (61) and (63) of IC1401.
YES
《INPUT3》
Is the signal inputted to pins (5), (7) and (9) of IC1401 (AV SWITCH)? → Perform checking from pins (7), (14) and (20) of J1103 to pins (5), (7) and (9) of IC1401.
YES
Are the MAIN, PASS and SUB video signals outputted to pins (50), (48) and (46), pins (38), (36) and (34) and pins (44), (42) and (40) of IC1401, respectively?
NO
Check IC1401 (AV SWITCH) and the peripheral circuitry.
《MAIN 525i system》
Are the Y, Cb and Cr signals inputted to pins (26) and (19), pins (25) and (18) and pins (27) and (17) of IC801 (MAIN VIDEO CHROMA), respectively?
NO
Perform checking from pins (50), (48) and (46) of IC1401 to pins (26) and (19), pins (25) and (18) and pins (27) and (17) of IC801.
YES
Are the Y, Cb and Cr MAIN signals outputted to pins (21), (22) and (23) of IC801, respectively?
NO
Check IC801 (MAIN VIDEO CHROMA) and the peripheral circuitry.
YES
Are the Y, Cb and Cr MAIN signals inputted to pins (69), (68) and (67) of IC803 (RGB DECODER), respectively?
NO
Perform checking from IC801 to IC803. (IC813, IC814, Q814-5, Q814-6, etc.)
YES
《PASS 525P, 1125I and 750P system》
Are the Y, Cb and Cr signals inputted to pins (5) and (47), pins (4) and (48) and pins (3) and (46) of IC803 (RGB DECODER), respectively?
YES
NO
Perform checking from pins (38), (36) and (34) of IC1401 to pin (5), pins (47) and (4), pins (48) and (3) and pin (46) of IC803.
Are the R, G and B MAIN signals outputted to pins (35), (37) and (39) of IC803, respectively?
NO
Check IC803 (RGB DECODER) and the peripheral circuitry.
YES
Are the R, G and B MAIN signals inputted to pins (25), (1) and (5) of FL810 (6.7/30MHz L.P.F.), respectively?
NO
Perform checking from IC803 to FL810. (Q801-3, etc.)
YES
Are the R, G and B MAIN signals outputted to pins (17), (14) and (11) of FL810, respectively?
NO
Cutoff frequency setting terminal (pin (21) of FL810 (6.7/30MHz L.P.F.))
《525i》: L
《525P, 1125i and 750P》: H
YES
Check the PC I/F unit.
No picture comes out at the time of external input. <At the time of DVI video signal input>
No external input picture comes out. 《INPUT 3》
Is the desired INPUT3 mode selected on input change menu screen?
Select a DVI signal on the input signal source menu screen.
《Analog signal》
Is the signal inputted to pins (1), (3) and (5) of IC1652 (MULTI_PLEXER)? → Perform checking from pins (25), (26) and (27) of SC1650 to pins (1), (3) and (5) of IC1401.
YES
《Digital signal》
Is the signal inputted to pins (8), (10) and (12) of IC1652 (MULTI_PLEXER)? → Perform checking from pins (31), (26) and (23) of IC1650 to pins (8), (10) and (12) of IC1652.
YES
Is the signal inputted to pins (52), (49), (51), (48), (6), (5), (2) and (3) of IC1650 (DVI_D/A)? → Perform checking from pins (9), (1), (10), (2), (24), (23), (18) and (17) of SC1650 to pins (52), (49), (51), (48), (6), (5), (2) and (3) of IC1650.
YES
Is the signal inputted to pins (15), (17) and (19) of IC1401? → Perform checking from pins (20), (18) and (16) of IC1652 to pins (15), (17) and (19) of IC1401.
NO
Check IC1401 (AV SWITCH) and the peripheral circuitry.
《SUB system》
Are the Y, Cb and Cr signals inputted to pins (19), (34), (26) and (31), pins (18), (33) and (25) and pins (17), (35) and (27) of IC802 (SUB VIDEO CHROMA), respectively?
NO
Perform checking from pins (44), (42) and (40) of IC1401 to pins (19), (34), (26) and (31), pins (18), (33) and (25) and pins (17), (35) and (27) of IC802.
YES
Are the Y, Cb and Cr SUB signals outputted to pins (21), (22) and (23) of IC802, respectively?
NO
Check IC802 (SUB VIDEO CHROMA) and the peripheral circuitry.
YES
Are the Y, Cb and Cr SUB signals inputted to Q901-2, Q903-4 and Q905-6 (6.7MHz L.P.F.), respectively?
NO
Perform checking from IC802 to Q901-2, Q903-4 and Q905-6 (6.7MHz L.P.F.).
YES
Are the R, G and B SUB signals outputted to Q901-2, Q903-4 and Q905-6 (6.7MHz L.P.F.), respectively?
NO
Check the peripheral circuitry of Q901-2, Q903-4 and Q905-6 (6.7MHz L.P.F.).
YES
Check the PC I/F unit.

AVC System


Unstable synchronization
《NAIN system》
(In the case of 15k)
《NAIN system》
(In the case of D2, D3 and D4)
《SUB system》
Are HD1 and VD1 are outputted from pins (9) and (4) of IC801 (MAIN VIDEO CHROMA), respectively?
NO
Check IC801 and the peripheral circuit.
YES
Are HD1 and VD1 are inputted to pins (28) and (27) of IC1901 (PLD), respectively?
NO
Perform checking from pins (9) and (4) of IC801 to pins (28) and (27) of IC1901.
YES
Are HD3 and VD3 are outputted from pins (7) and (6) of IC1901 (PLD), respectively?
NO
Check IC1901 and the peripheral circuit.
YES
Are HD3 and VD3 are inputted to pins (14) and (13) of IC604 (Sync. Sep.), respectively?
NO
Perform checking from pins (7) and (6) of IC1901 to pins (14) and (13) of IC604.
YES
Are SP-HD, SP-VD and SP-CP outputted from pins (16), (28) and (15) of IC604, respectively?
NO
Check IC604 and the peripheral circuit.
YES
Are SP-HD, SP-VD and SP-CP inputted to pins (5), (3) and (8) of IC1901, respectively?
NO
Perform checking from pins (16), (28) and (15) of IC604 to pins (5), (3) and (8) of IC1901.
YES
Are PL-HD, PL-VD, PL-CP and PL-BLK outputted from pins (30), (29), (31) and (32) of IC1901, respectively?
NO
Check IC1901 and the peripheral circuit.
YES
Are Hsync, Vsync and SCP inputted to pins (1) and (66), pins (2) and (65) and pin (31) of IC803 (RGB DECODER), respectively?
NO
Perform checking from pins (30), (29), (31) and (32) of IC1901 to pins (1) and (66), pins (2) and (65) and pin (31) of IC803.
YES
Are HS and VS outputted from pins (29) and (28) of IC803?
NO
Check IC803 and the peripheral circuit.
YES
Are HD2 and VD2 outputted from pins (9) and (4) of IC802 (SUB VIDEO CHROMA), respectively?
NO
Check IC802 and the peripheral circuit.
YES
Are HD2 and VD2 inputted to pins (41) and (42) of IC1901 (PLD), respectively?
NO
Perform checking from pins (9) and (4) of IC802 to pins (41) and (42) of IC1901.
YES
Are HDS and VDS outputted from pins (39) and (40) of IC1901 (PLD), respectively?
NO
Check IC1901 and the peripheral circuit.
YES
Check the PC I/F unit.

AVC System



No CC/TEXT comes out.

Is the desired CC/TEXT mode on menu screen?

Select the display mode with "CC" button of remote controller.

Is there signal input to pin (1) of IC2507?

Performchecking from pin (56) of IC1301 to pin (1) of IC2507.

Is there signal output to pin (7) of IC2507?

Check IC2507 and the periplheral circuit.

Is there signal input to pin (17) of IC1602?

Perform checking from pin (7) of IC2507 to pin (17) of IC1602.

Are the R, G, B, BOX signals outputted to pins (42), (41), (40) and (39) of IC1602, respectively?

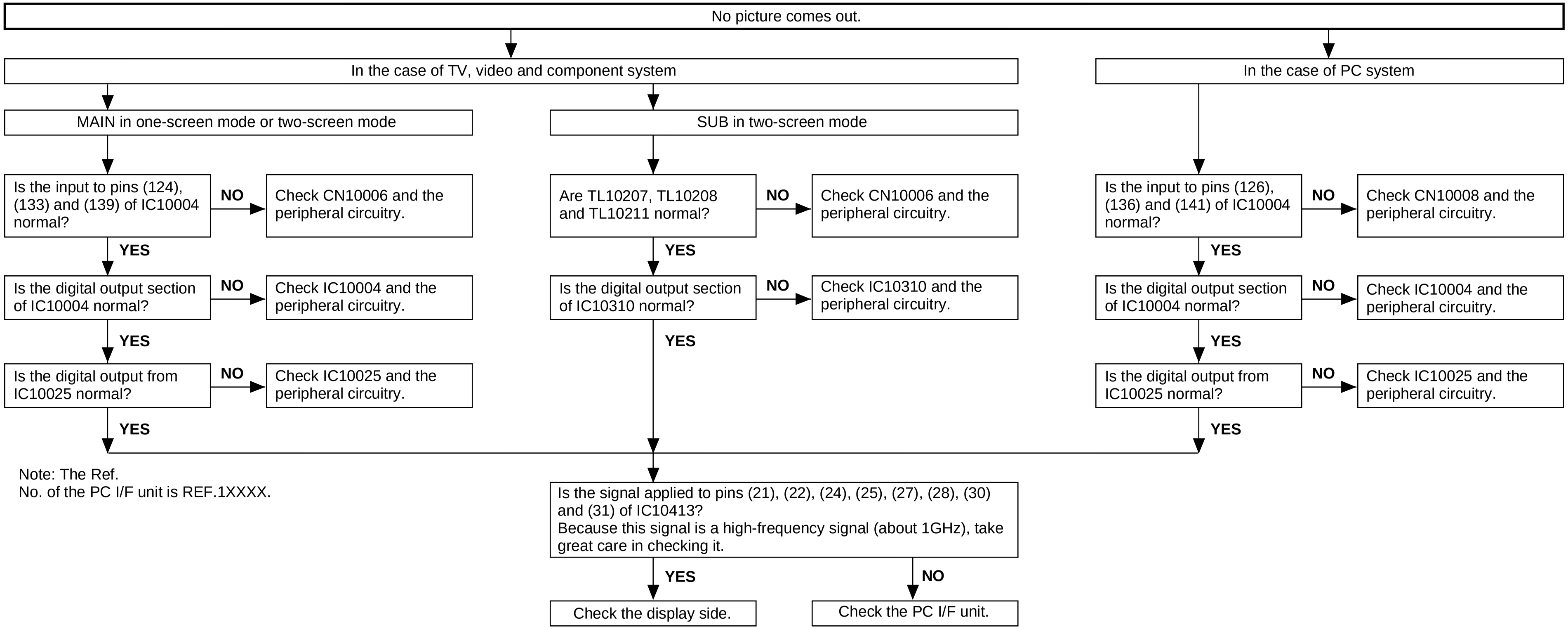
Are the H-Sync, and V-Sync signals (both positive) inputted to pins (1) and (2) of IC1602, respectively? or check IC1602 and the peripheral circuit.

Are the R, G, B signals inputted to pins (57), (53) and (55) of IC1401, respectively?

Perfom checking from pins (42), (41) and (40) of IC1602 to pins (57), (53) and (55) of IC1401.

Check IC1401 and the peripheral circuit.

AVC System (PC I/F unit Troubleshooting)



No picture comes out.

In the case of TV, video and component system

MAIN in one-screen mode or two-screen mode

Is the input to pins (124), (133) and (139) of IC10004 normal?

Check CN10006 and the peripheral circuitry.

Is the digital output section of IC10004 normal?

Check IC10004 and the peripheral circuitry.

Is the digital output from IC10025 normal?

Check IC10025 and the peripheral circuitry.

SUB in two-screen mode

Are TL10207, TL10208 and TL10211 normal?

Check CN10006 and the peripheral circuitry.

Is the digital output section of IC10310 normal?

Check IC10310 and the peripheral circuitry.

In the case of PC system

Is the input to pins (126), (136) and (141) of IC10004 normal?

Check CN10008 and the peripheral circuitry.

Is the digital output section of IC10004 normal?

Check IC10004 and the peripheral circuitry.

Is the digital output from IC10025 normal?

Check IC10025 and the peripheral circuitry.

Is the signal applied to pins (21), (22), (24), (25), (27), (28), (30) and (31) of IC10413?
Because this signal is a high-frequency signal (about 1GHz), take great care in checking it.

Check the display side.

Check the PC I/F unit.

Note: The Ref.
No. of the PC I/F unit is REF.1XXXX.

TROUBLE SHOOTING TABLE

(Display)

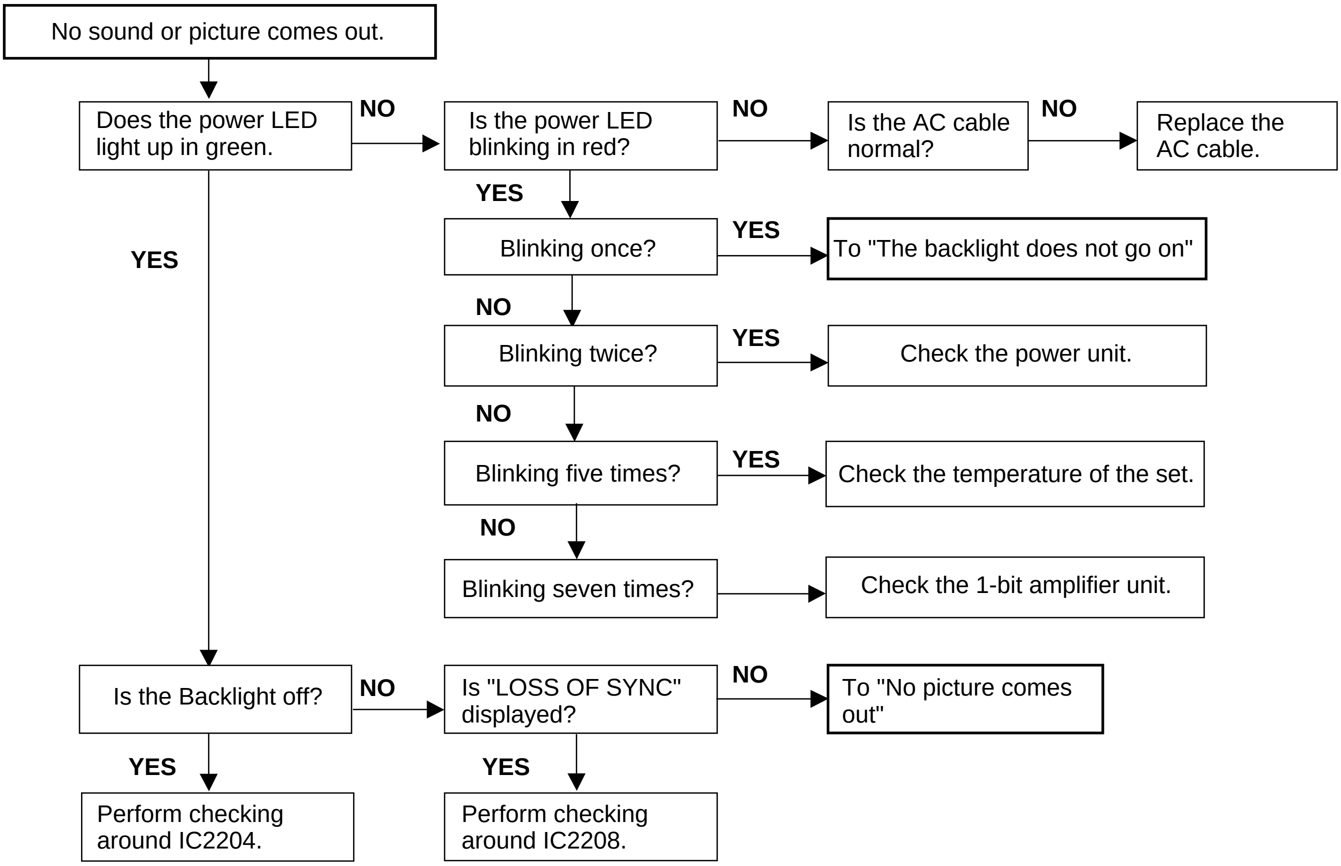
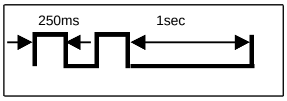
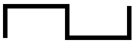
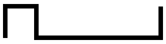
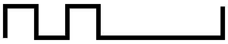
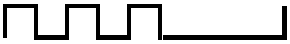
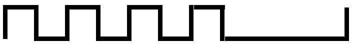
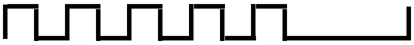
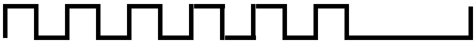
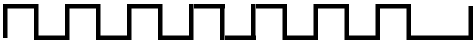
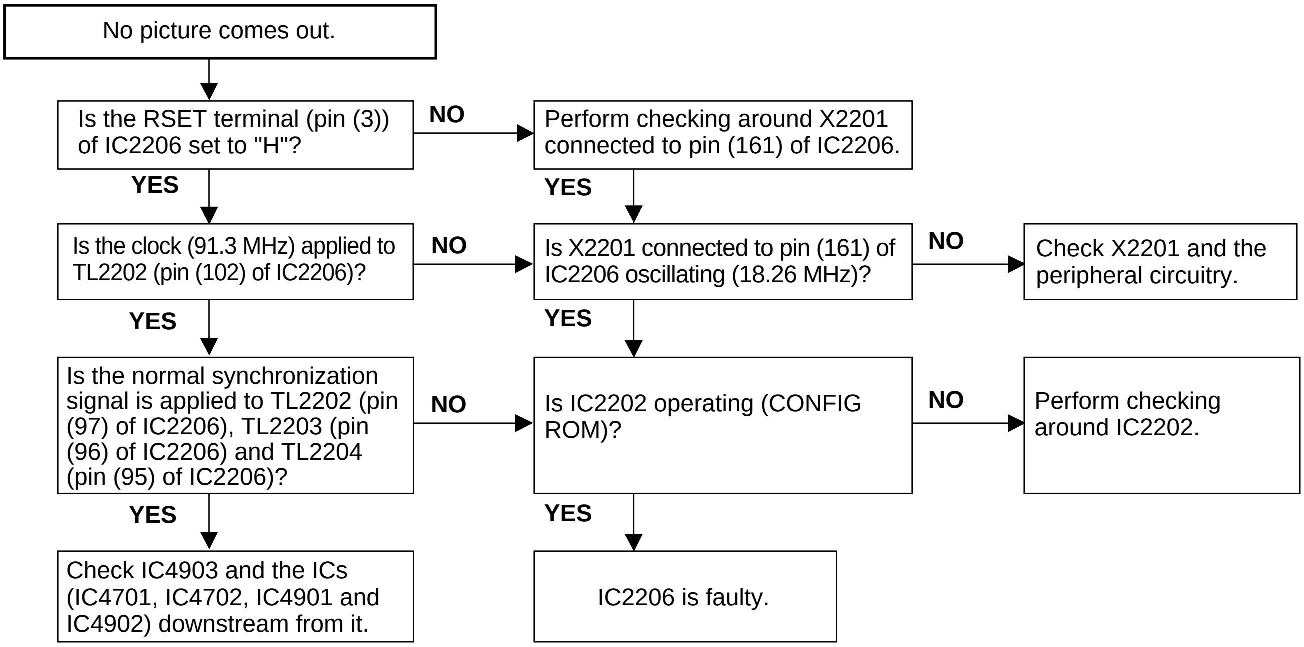

No sound or picture comes out.
Does the power LED light up in green.
NO
Is the power LED blinking in red?
NO
Is the AC cable normal?
NO
Replace the AC cable.
YES
Blinking once?
YES
To "The backlight does not go on"
NO
Blinking twice?
YES
Check the power unit.
NO
Blinking five times?
YES
Check the temperature of the set.
NO
Blinking seven times?
Check the 1-bit amplifier unit.
YES
Is the Backlight off?
NO
Is "LOSS OF SYNC" displayed?
NO
To "No picture comes out"
YES
Perform checking around IC2204.
YES
Perform checking around IC2208.

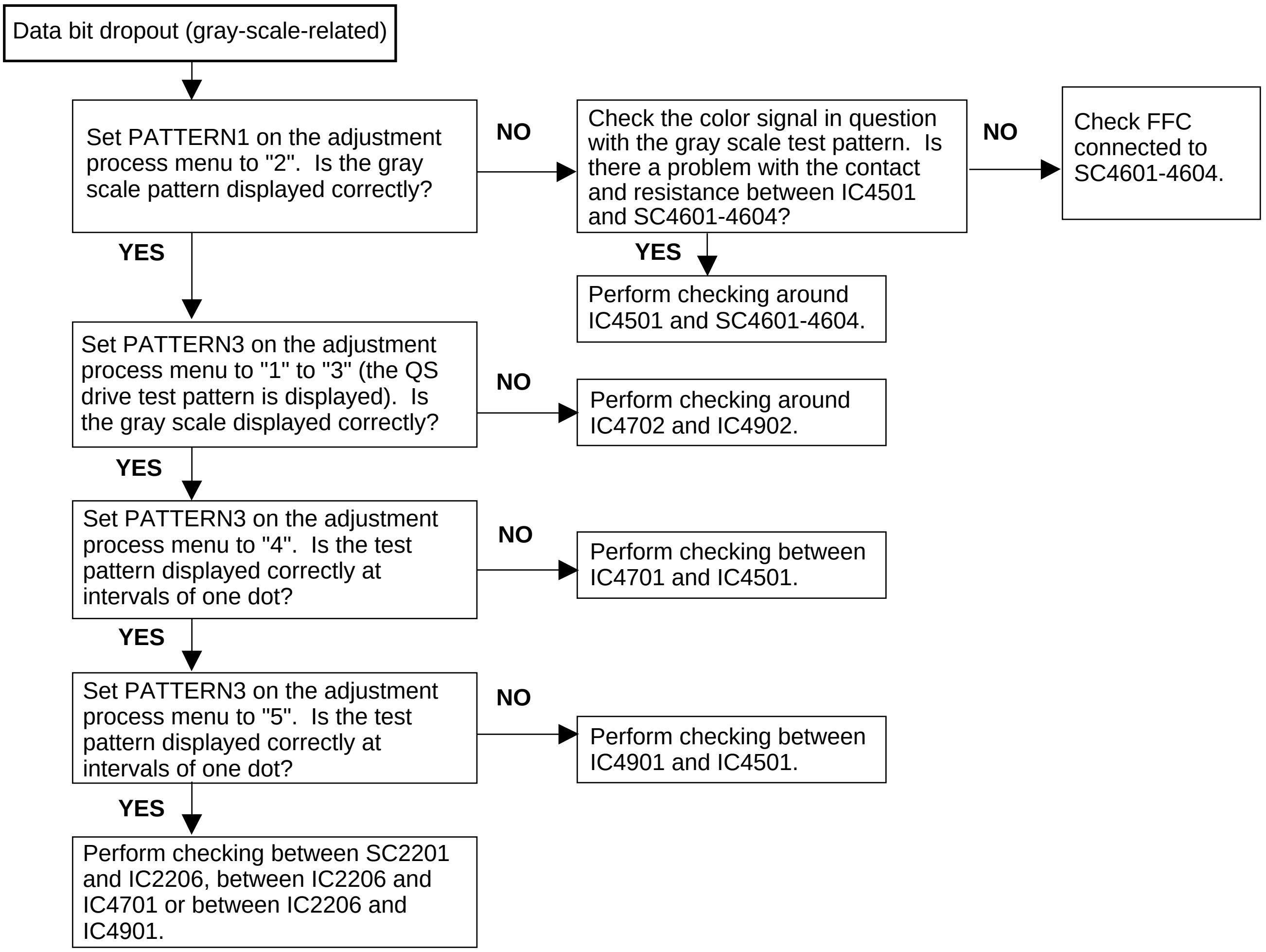
Table of monitor power LED blinking timing at the time of error occurrence



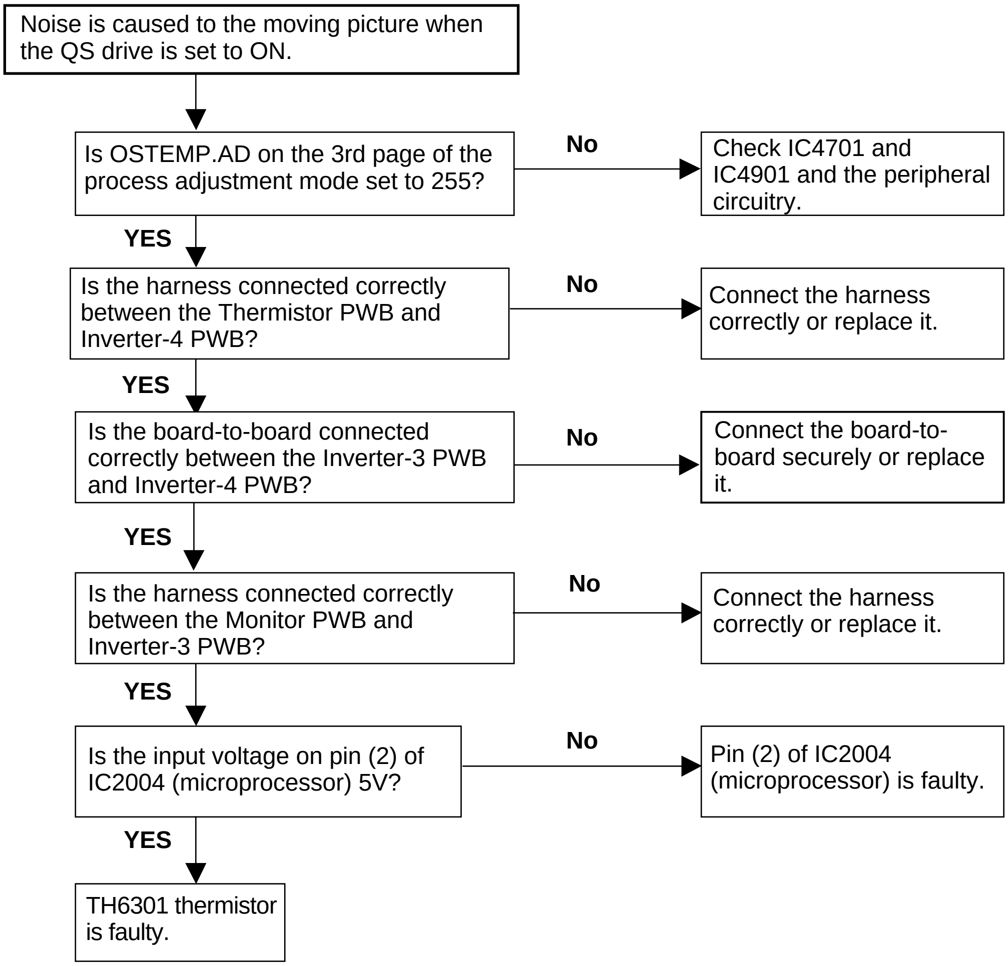
Error type	LTD operation (1 cycle)
Cable error AVC-side power error Blinking once: Slow	H: ON  L: OFF
Lamp error Blinking once: Fast	H: ON  L: OFF
Monitor power error Blinking twice	H: ON  L: OFF
AVC temperature error Blinking three times	H: ON  L: OFF
AVC fan error Blinking four times	H: ON  L: OFF
Monitor temperature error Blinking five times	H: ON  L: OFF
Monitor fan error Blinking six times	H: ON  L: OFF
Monitor 1-bit error Blinking seven times	H: ON  L: OFF

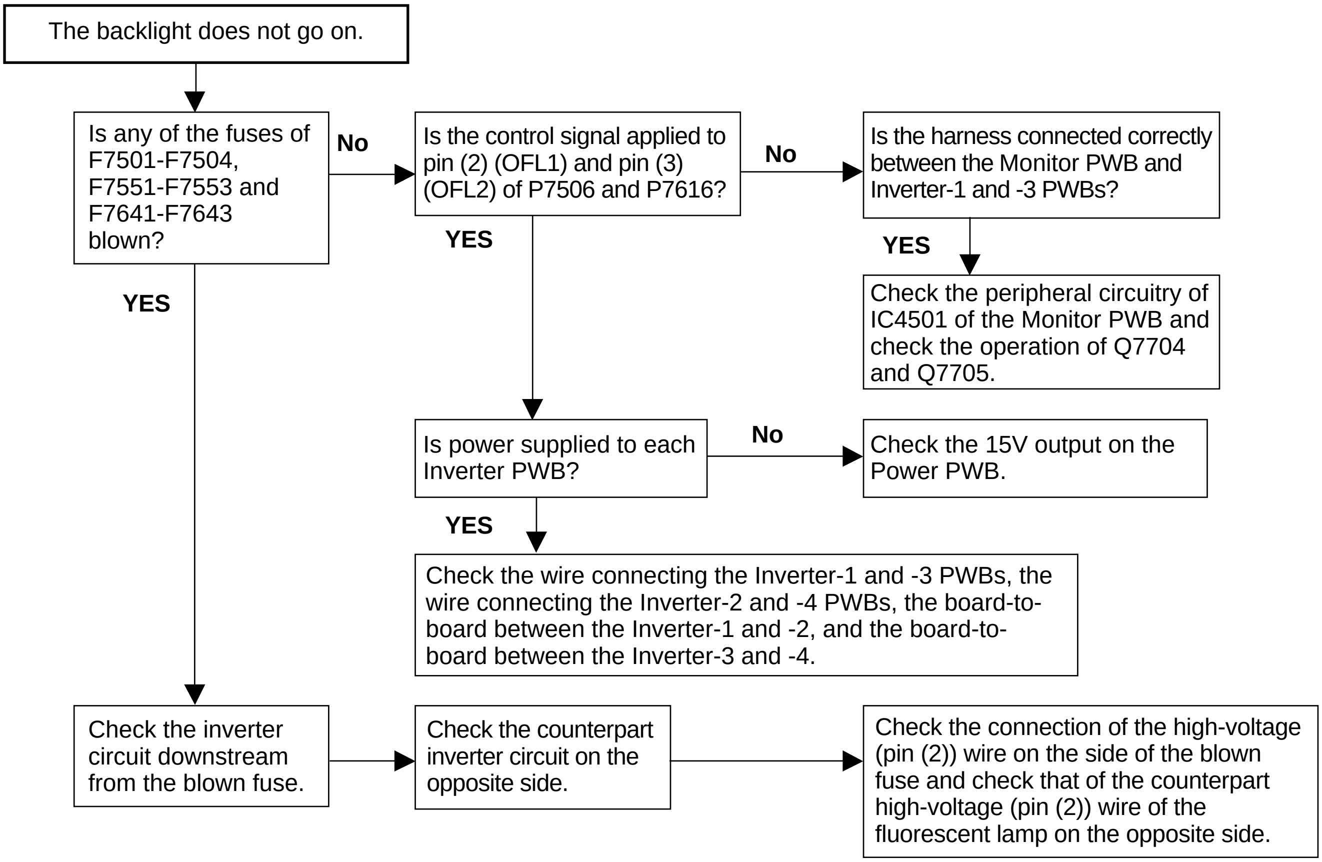

No picture comes out.
Is the RSET terminal (pin (3)) of IC2206 set to "H"?
NO
Perform checking around X2201 connected to pin (161) of IC2206.
YES
YES
Is the clock (91.3 MHz) applied to TL2202 (pin (102) of IC2206)?
NO
Is X2201 connected to pin (161) of IC2206 oscillating (18.26 MHz)?
NO
Check X2201 and the peripheral circuitry.
YES
YES
Is the normal synchronization signal is applied to TL2202 (pin (97) of IC2206), TL2203 (pin (96) of IC2206) and TL2204 (pin (95) of IC2206)?
NO
Is IC2202 operating (CONFIG ROM)?
NO
Perform checking around IC2202.
YES
YES
Check IC4903 and the ICs (IC4701, IC4702, IC4901 and IC4902) downstream from it.
IC2206 is faulty.

Note that the unit should be replaced when the receiver IC (IC2206), HDCP key ROM (IC2208) or microprocessor (IC2004) is replaced.
Applicable unit: DKEYHC016FE53


Data bit dropout (gray-scale-related)
Set PATTERN1 on the adjustment process menu to "2". Is the gray scale pattern displayed correctly?
NO
Check the color signal in question with the gray scale test pattern. Is there a problem with the contact and resistance between IC4501 and SC4601-4604?
NO
Check FFC connected to SC4601-4604.
YES
YES
Perform checking around IC4501 and SC4601-4604.
Set PATTERN3 on the adjustment process menu to "1" to "3" (the QS drive test pattern is displayed). Is the gray scale displayed correctly?
NO
Perform checking around IC4702 and IC4902.
YES
Set PATTERN3 on the adjustment process menu to "4". Is the test pattern displayed correctly at intervals of one dot?
NO
Perform checking between IC4701 and IC4501.
YES
Set PATTERN3 on the adjustment process menu to "5". Is the test pattern displayed correctly at intervals of one dot?
NO
Perform checking between IC4901 and IC4501.
YES
Perform checking between SC2201 and IC2206, between IC2206 and IC4701 or between IC2206 and IC4901.

PATTERN R, G and B become effective only when the monitor is started singly. Each can produce a solid filled screen of 256-level gray scale, which can be used for IC wire connection checking when a certain gray scale level is not produced.


Noise is caused to the moving picture when the QS drive is set to ON.
Is OSTEMP.AD on the 3rd page of the process adjustment mode set to 255?
No
Check IC4701 and IC4901 and the peripheral circuitry.
YES
Is the harness connected correctly between the Thermistor PWB and Inverter-4 PWB?
No
Connect the harness correctly or replace it.
YES
Is the board-to-board connected correctly between the Inverter-3 PWB and Inverter-4 PWB?
No
Connect the board-to-board securely or replace it.
YES
Is the harness connected correctly between the Monitor PWB and Inverter-3 PWB?
No
Connect the harness correctly or replace it.
YES
Is the input voltage on pin (2) of IC2004 (microprocessor) 5V?
No
Pin (2) of IC2004 (microprocessor) is faulty.
YES
TH6301 thermistor is faulty.



The backlight does not go on.

Is any of the fuses of F7501-F7504, F7551-F7553 and F7641-F7643 blown?

Is the control signal applied to pin (2) (OFL1) and pin (3) (OFL2) of P7506 and P7616?

Is the harness connected correctly between the Monitor PWB and Inverter-1 and -3 PWBs?

Check the peripheral circuitry of IC4501 of the Monitor PWB and check the operation of Q7704 and Q7705.

Is power supplied to each Inverter PWB?

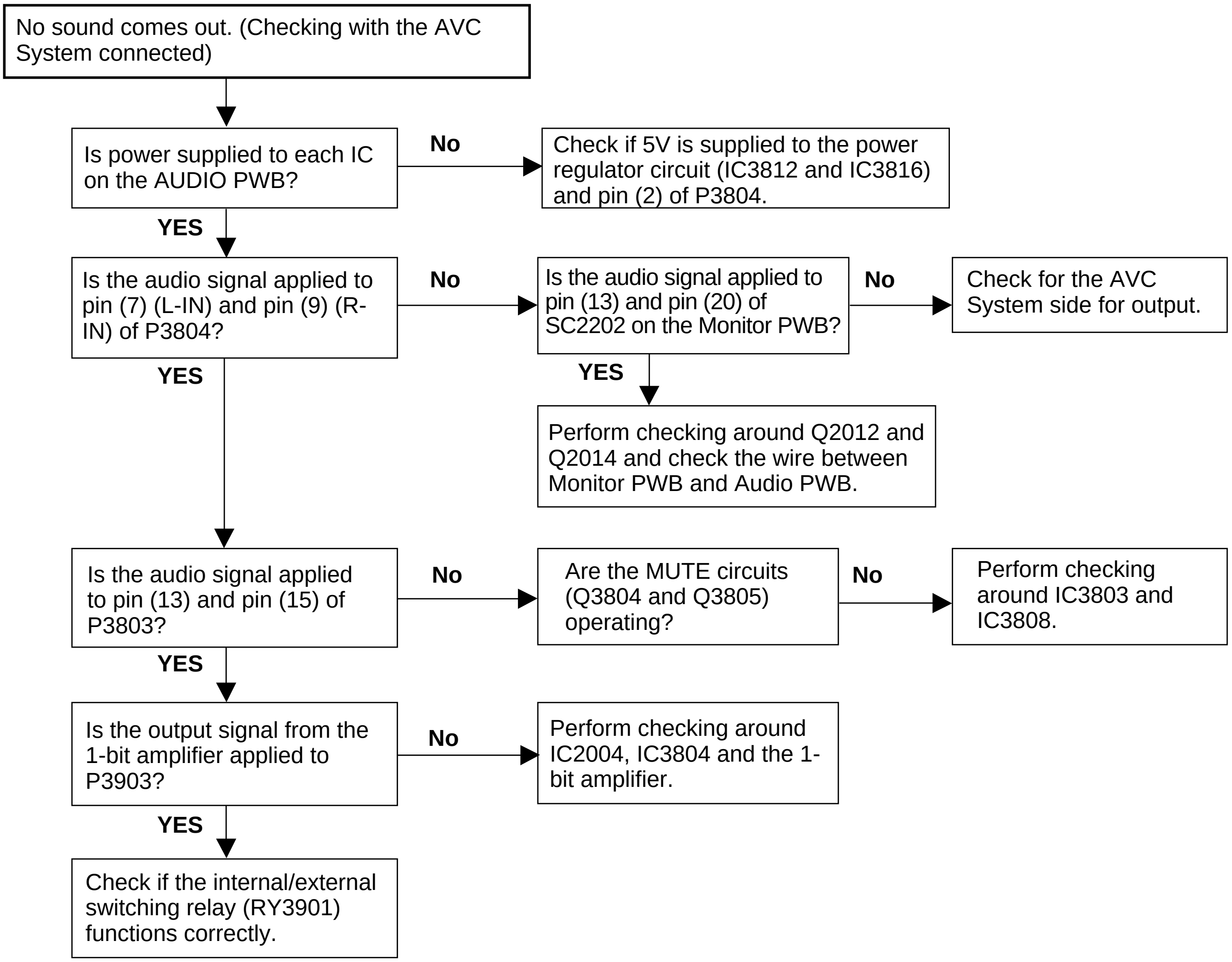
Check the 15V output on the Power PWB.

Check the wire connecting the Inverter-1 and -3 PWBs, the wire connecting the Inverter-2 and -4 PWBs, the board-to-board between the Inverter-1 and -2, and the board-to-board between the Inverter-3 and -4.

Check the inverter circuit downstream from the blown fuse.

Check the counterpart inverter circuit on the opposite side.

Check the connection of the high-voltage (pin (2)) wire on the side of the blown fuse and check that of the counterpart high-voltage (pin (2)) wire of the fluorescent lamp on the opposite side.



No sound comes out. (Checking with the AVC System connected)

Is power supplied to each IC on the AUDIO PWB?

Check if 5V is supplied to the power regulator circuit (IC3812 and IC3816) and pin (2) of P3804.

Is the audio signal applied to pin (7) (L-IN) and pin (9) (R-IN) of P3804?

Is the audio signal applied to pin (13) and pin (20) of SC2202 on the Monitor PWB?

Check for the AVC System side for output.

Perform checking around Q2012 and Q2014 and check the wire between Monitor PWB and Audio PWB.

Is the audio signal applied to pin (13) and pin (15) of P3803?

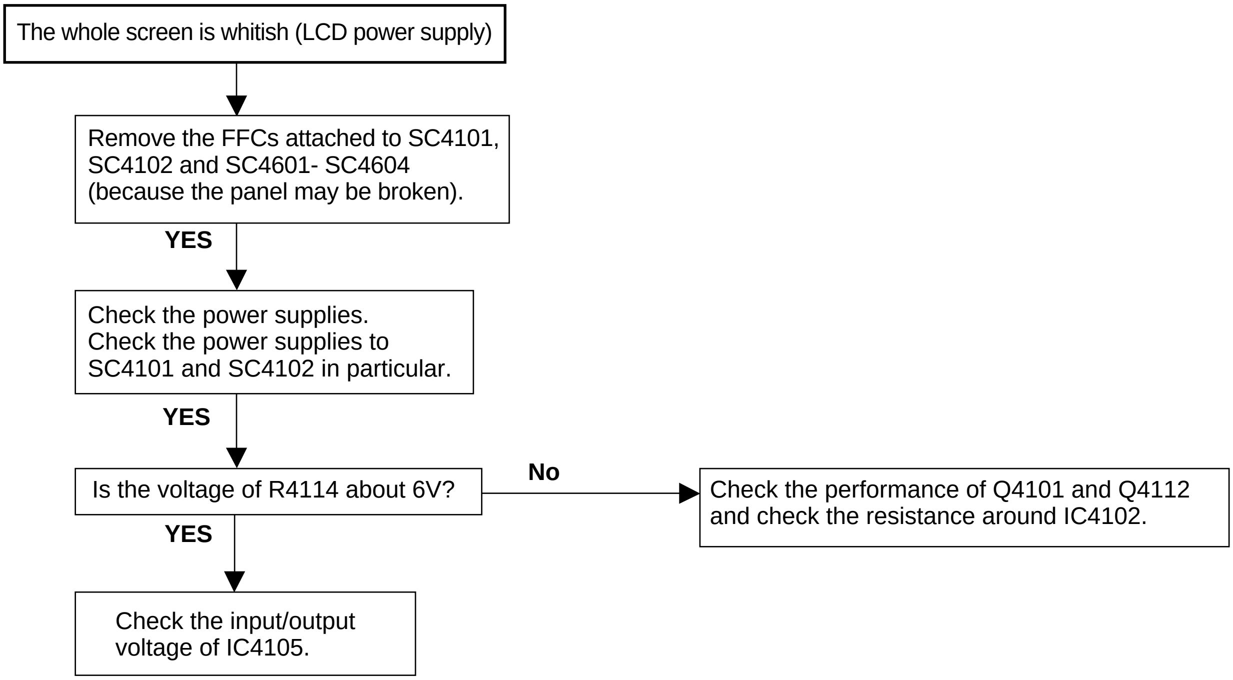
Are the MUTE circuits (Q3804 and Q3805) operating?

Perform checking around IC3803 and IC3808.

Is the output signal from the 1-bit amplifier applied to P3903?

Perform checking around IC2004, IC3804 and the 1-bit amplifier.

Check if the internal/external switching relay (RY3901) functions correctly.


The whole screen is whitish (LCD power supply)
Remove the FFCs attached to SC4101, SC4102 and SC4601- SC4604 (because the panel may be broken).
YES
Check the power supplies. Check the power supplies to SC4101 and SC4102 in particular.
YES
Is the voltage of R4114 about 6V?
No
Check the performance of Q4101 and Q4112 and check the resistance around IC4102.
YES
Check the input/output voltage of IC4105.

MAJOR IC INFORMATIONS (AVC System)

- IC2501 (RH-iX3370CEN1Q)
  IC for decoding audio signals.
  It serves as an S-IF audio signal decoder and an audio data selector.

- IC2518 (NJU26150)
  The NJU26150 is a processor IC that consists of 24-bit DSP (Digital Signal Processor) core and various interfaces. Programs written on IC2519 (EEPROM) are downloaded to the built-in PRAM and run as specified. The built-in functions are supported by audio delay line, BBE and parametric equalizer. Signals are digitized in the I2S format.

- IC2521 (NJU26106)
  The NJU26106 is a digital signal processor that decodes the matrix-encoded (Lt/Rt) stereo signals. On this model, Dolby Virtual function is supported by this IC.

- IC1301 (CXA2069Q)
  7-input, 3-output selector.
  This IC selects all audio and video signals received from input terminals and the tuner, except those signals that relates to PC and components.
  Video signals delivered to the IC are sent to Y/C separation circuits IC7001 (main) and IC402 (sub). Audio signals are sent to the SR board via IC2501 (sound processor).

- IC1401 (MM1519XQ)
  4-input, 3-output video selector for component input.
  This IC receives AV1/3 sub component input signals, AV3 DV1 RGB input signals and C.C. (closed caption) signals. Its output is for main, sub, component and C.C.

- IC1650 (Sil907)
  Analog output TMDS receiver incorporating HDCP key.
  This IC converts digital DVI-D signals into analog signals and supplies the analog RGB signals to IC1401.
  - DVI1.0 compliant
  - 480P, 720P, 1080I supported
  - 10-bit DAC output
  - Incorporated HDCP key

- IC1602 (RH-IXA837WJZZY)
  This IC is a single-chip microprocessor formed by silicone gate CMOS process. It has OSD, data slicer, I2C bus interface and other functions and applies to the selection system of closed-caption decoder-fitted TV channels.
  On this model, the IC serves as a CC (Closed Caption) decoder and V-CHIP decoder.
  This IC process the Vertical Blanking Interval (VBl) data from the image signal field in the data that matches the transmission format defined per EIA-608.

- IC1601 (RH-IXA837WJZZY)
  This IC is a single-chip microprocessor formed by silicone gate CMOS process. It has OSD, data slicer, I2C bus interface and other functions and applies to the selection system of closed-caption decoder-fitted TV channels.
  On this model, the IC serves as a V-CHIP decoder.
  This IC processes the extended data service (XDS) data in field 2 of Vertical Blanking Internal (VBl).
  The XDS data is processed to define program blocking signals (PB) or restored XDS data packets.
  The on-chip XDS filter in this IC allows only the XDS data packets to be restored and programmed.
  The IC supports violence blocking and other XDS data service monitors (picture-in-picture).

- IC7001 (µPD64084)

  This IC provides 3D processing of NTSC signals and thus high resolution Y/C separation of the main image signals received from IC1301.

  It incorporates a 4M-bit frame delay memory board and features one-chip 3D Y/C separation.

  - Two operation modes available; dynamic image 3D Y/C separation mode and 2D Y/C separation + YCNR mode
  - Y coring circuit, vertical contour compensation circuit, peaking filter and noise detection circuit incorporated
  - Power down mode available to minimize power consumption when not in operation

- IC402 (TC90A69)

  Adaptive infield 3-line digital comb filter supporting both NTSC and PAL.

  This IC is a high-precision Y/C 1 chip incorporating a CNR circuit and performs YC separation of the sub video signals received from IC1301.

- IC801/802 (TB1274AF)

  IC for synchronous processing, luminance processing and chroma demodulation for color TV.

  It receives main and sub luminance and chrominance signals from IC7001 (main) and IC402 (sub) and delivers component signals.

- IC803 (CXA2101Q)

  IC having a component input integrated with a high-performance image compensation circuit. Equipped with circuits for processing baseband signals and RGB signals and a 4-channel video switch incorporating an H/V synchronization signal processing circuit.

  Input selection is done by INPUT-SEL (IIC BUS). YCbCr, Y, PbPr, GBR and their H/V synchronization signals are inputted to input pins of each channel.

  Multi-scan facility permits acceptance of a horizontal scan line frequency range of 15 kHz to 60 kHz.

- FL810 (SM5301AS)

  The SM5301AS is a 5th order Butterworth low-pass filter that has the sync clamp function. In response to the input video signal, this filter can preset the cut-off frequency according to the control voltage at pin 21.

- IC1901 (IXA392WJ)

  FPGA for synchronous processing.

  This IC selects synchronization signals and creates horizontal blanking signals.

- IC604 (TA1318AF)

  IC for synchronous processing of TV component signals and measurement of frequency.

  This IC incorporates an input signal frequency measurement feature and synchronous regeneration features. It supports synchronous horizontal regeneration (15.75 kHz, 31.5 kHz, 33.75 kHz and 45 kHz) and synchronous vertical regeneration (480I, 480P, 576I, 720P, 1080I, PAL 100 Hz, and NTSC 120 Hz).

- PC I/F unit

- IC10004 (CXA3506R)
  3-ch, 8-bit 120MSPS A/D converter incorporating AMP and PLL.
  This IC process video signals supplied to the interface board. On the main side, video signals (analog RGB) from CN6 are inputted to IN1 of IC10004. On the PC side, vide signals (analog RGB) from CN8 are inputted to IN2 of IC10004.
  Converted digital signals are sent to IC10025.

- IC10310 (TLC5733A)
  3-ch, 8-bit 20MSPS A/D converter.
  This IC processes video signals supplied to the interface board. It receives analog signals (YCbCr) from CN6 and sends converted digital signals to IC10310.
  The incoming video signal is converted to digital one and fed to IC10025.

- IC10025 (IXA091WJ)
  IC for I/P conversion and scaling of digital image according to the output resolution, and for data conversion. There are two input channels: V0 and V1. V1 is for sub 480i input processing for two-screen application. V0 is for processing all signals for main used for one and two-screen applications.
  - The IC generates clamp signals based on input synchronization signals.
  - It also performs data matrix conversion.
  - It creates OSD signals.

  The incoming video signal is fed to IC10413.

- IC10413 (SII170)
  Panel link transmitter.
  This IC converts 8-bit RGB image data received from IC10025 into TMDS differential signals and sends the resulting digital signals to the monitor.
  HDCP function is provided.
  (Note:When replace this IC, it becomes PWB replacement correspondence.)

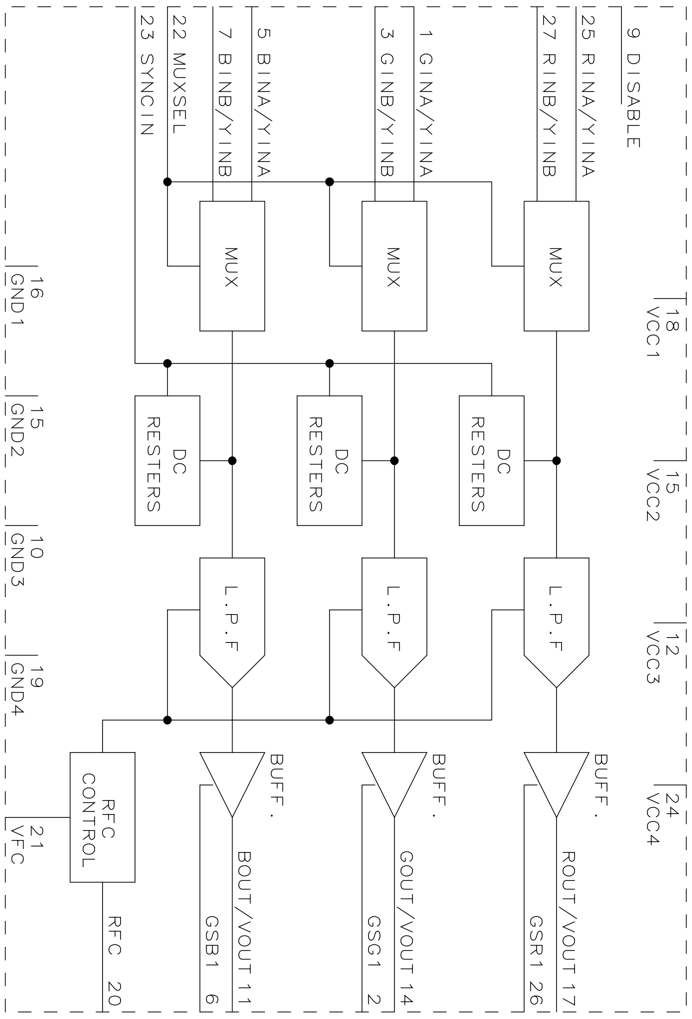
- IC10001 (IX3270CE)
  One-chip RISC microprocessor.
  This IC communicates with the monitor and controls the system operation.
  It controls all the ICs located in the AVC system.

- IC10405 (µPD4721G)
  RS-232C line driver/receiver conforming to EIA/TIA-232-E.
  This IC enables the system to be controlled from a PC connected to the system.
  It also allows IC10001 to be upgraded using the PC.

■VHISM5301AS-1Y(ASSY:FL810)

3ch output video buffer with a built-in high band filter.

- Block Diagram

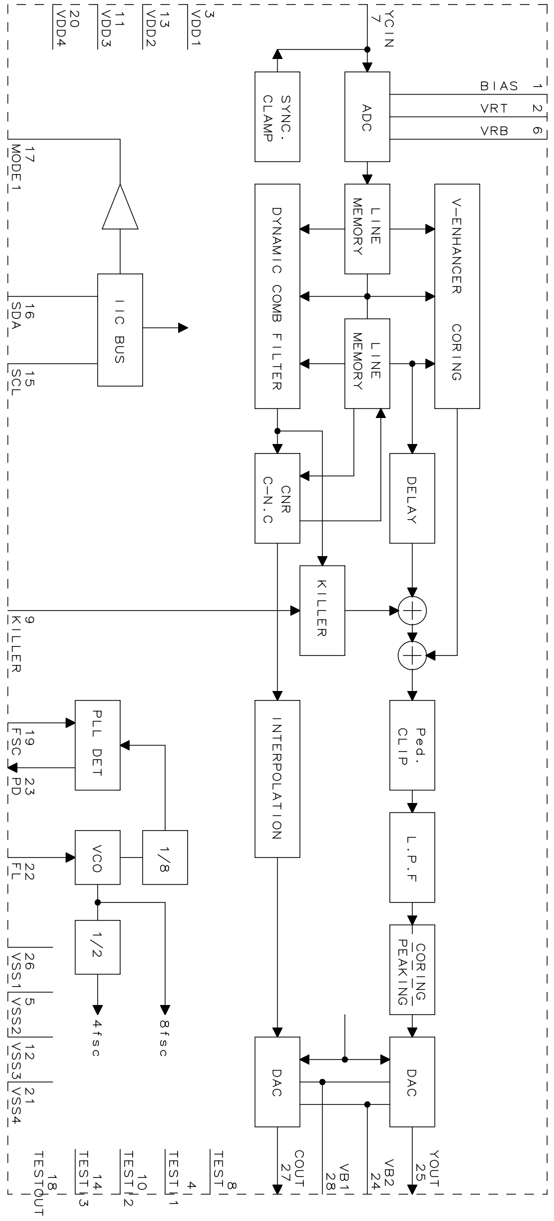

9 DISABLE
25 RINA/YINA
27 RINB/YINB
1 GINA/YINA
3 GINB/YINB
5 BINA/YINA
7 BINB/YINB
22 MUXSEL
23 SYNCIN
MUX
MUX
MUX
DC RESTERS
DC RESTERS
DC RESTERS
L.P.F
L.P.F
L.P.F
BUFF.
BUFF.
BUFF.
18 VCC1
15 VCC2
12 VCC3
24 VCC4
ROUT/VOUT 17
GSR1 26
GOUT/VOUT 14
GSG1 2
BOUT/VOUT 11
GSB1 6
RFC CONTROL
RFC 20
21 VFC
16 GND1
15 GND2
10 GND3
19 GND4

- Pin Function

Pin No.	Pin Name	I/O	Pin Function
1	GINA/UINA	I	Analog GINA or a UINA signal input terminal. A synchronized signal is inputted from a SYNCIN terminal.
2	GSG1	I	The terminal for a GOUT/UOUT output buffer gain setup.
3	GINB/UINB	I	Analog GINB or a UINB signal input terminal. A synchronized signal is inputted from a SYNCIN terminal.
4	NC	—	Not connected
5	BINA/VINA	I	Analog BINA or a VINA signal input terminal. A synchronized signal is inputted from a SYNCIN terminal.
6	GSB1	I	The terminal for a BOUT/VOUT output buffer gain setup.
7	BINB/VINB	I	Analog BINB or a VINB signal input terminal. A synchronized signal is inputted from a SYNCIN terminal.
8	NC	—	Not connected
9	DISABLE	I	Power save function. Pull down resistance built-in. L : Enable H : Disable(output terminal (FROUT/YOUT, GOUT/UOUT and BOUT/VOUT are high impedance.)
10	GND3	—	Analog GND terminal.
11	BOUT/VOUT	O	B/V signal output terminal
12	VCC3	—	Analog 5V power supply terminal.
13	GND2	—	Analog GND terminal.
14	GOUT/UOUT	O	G/U signal output terminal
15	VCC2	—	Analog 5V power supply terminal.
16	GND1	—	Analog GND terminal.
17	ROUT/YOUT	O	R/Y signal output terminal
18	VCC1	—	Analog 5V power supply terminal.
19	GND4	—	Analog GND terminal.
20	RFC	I	L.P.F.(Low path filter) The resistance connection terminal for a cutoff frequency setup.
21	VFC	I	L.P.F.(Low path filter) The resistance connection terminal for a cutoff frequency setup.
22	MUXSEL	I	Input terminal selection signal. Pull down resistance built-in. L : XINA terminal side is chosen. H : YINB terminal side is chosen.
23	SYNCIN	I	The external H-sync signal input terminal for filter channels. Active"H." Pull down resistance built-in.
24	VCC4	—	Analog 5V power supply terminal.
25	RINA/YINA	I	Analog RINA or a YINA signal input terminal. A synchronized signal is inputted from a SYNCIN terminal.
26	GSR1	I	The terminal for a ROUT/YOUT output buffer gain setup.
27	RINB/YINB	I	Analog RINB or a YINB signal input terminal. A synchronized signal is inputted from a SYNCIN terminal.
28	NC	—	Not connected

■VHITC90A69F-1Y(ASSY:IC401)
3LINE DIGITAL COMB FILTER(NTSC)

●Block Diagram


YCIN 7
1 BIAS
2 VRT
6 VRB
ADC
SYNC. CLAMP
LINE MEMORY
LINE MEMORY
V–ENHANCER CORING
DYNAMIC COMB FILTER
DELAY
CNR C–N.C
KILLER
Ped. CLIP
L.P.F
CORING PEAKING
DAC
DAC
INTERPOLATION
YOUT 25
VB2 24
VB1 28
COUT 27
8 TEST
4 TEST 1
10 TEST 2
14 TEST 3
18 TESTOUT
3 VDD1
13 VDD2
11 VDD3
20 VDD4
IIC BUS
17 MODE1
16 SDA
15 SCL
9 KILLER
PLL DET
VCO
1/8
1/2
8fsc
4fsc
19 FSC
23 PD
22 FL
26 VSS1
5 VSS2
12 VSS3
21 VSS4

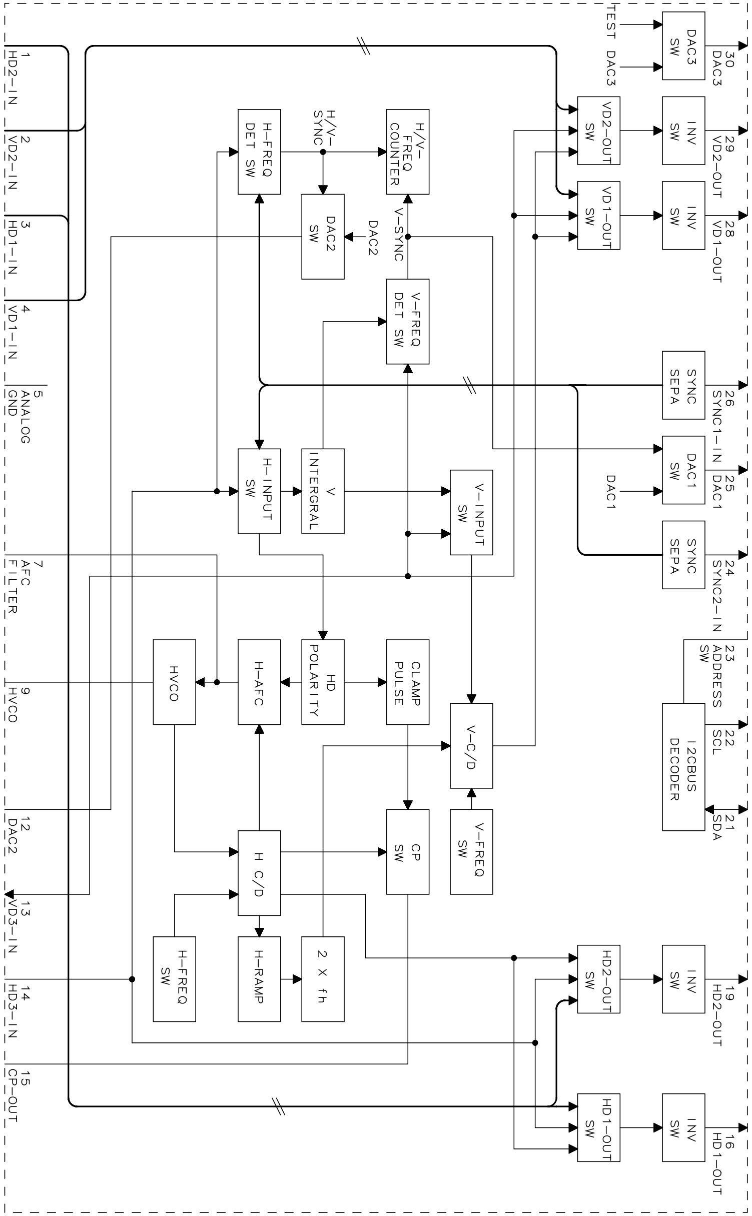
●Pin Function

Pin No.	Pin Name	I/O	Pin Function
1	BIAS	—	Bias for ADC
2	VRT	—	D range upper bias for ADC
3	VDD1	—	Power supply for ADC and DAC (analog system)
4	TESTI1	I	Test input
5	VSS2	—	GND for ADC (analog system)
6	VRB	—	D range lower bias for ADC
7	YCIN	I	Picture signal input
8	TEST	O	Reset control and TEST control at the time of shipment
9	KILLER	I	Y/C separation and vertical enhancer-off control
10	TESTI2	I	Test input
11	VDD3	—	Power supply for logic (digital system)
12	VSS3	—	GND for Logic and DRAM (digital system)
13	VDD2	—	Power supply for DRAM (digital system)
14	TESTI3	I	Test input
15	SCL	I	Clock input of IIC BUS
16	SDA	I	Data input of IIC BUS
17	MODE1	O	MODE1 output
18	TESTOUT	I	Test input
19	FSC	I	Clock input
20	VDD4	—	Power supply for PLL (analog system)
21	VSS4	—	GND for PLL (analog system)
22	FIL	I	VCO control
23	PD	O	PLL detection output
24	VB2	—	Bias 2 for DAC
25	YOUT	O	Luminosity signal output
26	VSS1	—	GND for DAC (analog system)
27	COUT	O	Color signal output
28	VB1	—	Bias 1 for DAC

■VHITA1318AF1EY (ASSY:IC604)

Synchronous processing for TV component signals, frequency measurement

- Block Diagram

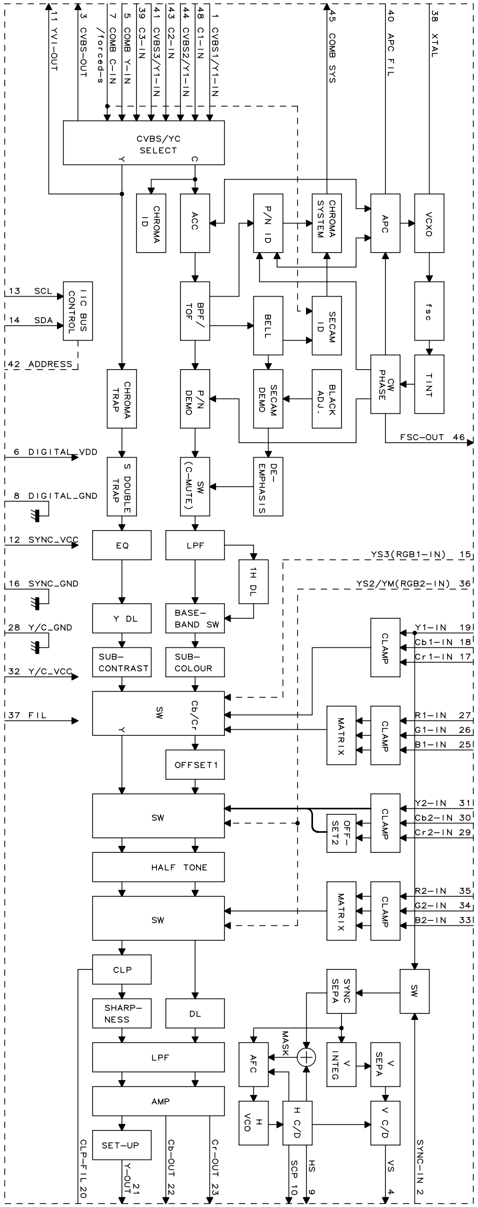

1 HD2−IN
2 VD2−IN
3 HD1−IN
4 VD1−IN
5 ANALOG GND
7 AFC FILTER
9 HVCO
12 DAC2
13 VD3−IN
14 HD3−IN
15 CP−OUT
16 HD1−OUT
19 HD2−OUT
21 SDA
22 SCL
23 ADDRESS SW
24 SYNC2−IN
25 DAC1
26 SYNC1−IN
28 VD1−OUT
29 VD2−OUT
30 DAC3
DAC3 SW
INV SW
SYNC SEPA
DAC1 SW
I2CBUS DECODER
TEST
DAC3
DAC1
VD2−OUT SW
VD1−OUT SW
HD2−OUT SW
HD1−OUT SW
V−INPUT SW
V−C/D
V−FREQ SW
H/V− FREQ COUNTER
V−SYNC
V−FREQ DET SW
CLAMP PULSE
CP SW
DAC2
H/V− SYNC
DAC2 SW
V INTERGRAL
HD POLARITY
2 X fh
H−FREQ DET SW
H−INPUT SW
H−AFC
H C/D
H−RAMP
HVCO
H−FREQ SW

- Pin Function

Pin No.	Pin Name	I/O	Pin Function
1	HD2-IN	I	Input the horizontal synchronizing signal. It's polarity corresponds to both positive and negative. Input from this pin does not be synchronized internally.
2	VD2-IN	I	Input the vertical synchronizing signal. It's polarity corresponds to both positive and negative. Input from this pin does not be synchronized internally.
3	HD1-IN	I	Input the horizontal synchronizing signal. It's polarity corresponds to both positive and negative. Input from this pin does not be synchronized internally.
4	VD1-IN	I	Input the vertical synchronizing signal. It's polarity corresponds to both positive and negative. Input from this pin does not be synchronized internally.
5	ANALOG GND	—	The GND pin for analog circuit block.
6	N.C	—	It is a blank terminal. Please connect with GND.
7	AFC FILTER	—	Connect the filter for horizontal AFC. The frequency of the horizontal output is varied by the voltage at this pin.
8	N.C	—	It is a blank terminal. Please connect with GND.
9	HVCO	—	Connect the ceramic oscillator for horizontal oscillator.
10	N.C	—	It is a blank terminal. Please connect with GND.
11	VCC	—	The VCC pin.(9.0V)
12	DAC2(H/C. SYNC output)	O	DAC2 output pin. When TEST mode, HD or composite sync signal to frequency counter circuit is output.
13	VD3-IN	I	Input the vertical synchronizing signal. It's polarity corresponds to both positive and negative.
14	HD3-IN	I	Input the horizontal synchronizing signal. It's polarity corresponds to both positive and negative.
15	CP-OUT	O	Clamp pulse output pin. CP according to the incoming signal by which synchronous reproduction is carried out is outputted.
16	HD1-OUT	O	HD output pin. This pin is open-collector system. HD1/HD2 input signal is outputted from this terminal, without carrying out synchronous processing. It's polarity is switched by BUS write function.
17	N.C	—	It is a blank terminal. Please connect with GND.
18	DIGITAL GND	—	The GND pin for digital circuit block.
19	HD2-OUT	O	HD output pin. This pin is open-collector system. HD1/HD2 input signal is outputted from this terminal, without carrying out synchronous processing. It's polarity is switched by BUS write function.
20	N.C	—	It is a blank terminal. Please connect with GND.
21	SDA	I/O	The SDA pin for I2C BUS.
22	SCL	I	The SCL pin for I2C BUS.
23	ADDRESS SW	I	Slave address switch.
24	SYNC2-IN	I	It is the input of a synchronous separation circuit. Y signal is inputted through a clamp capacitor.
25	DAC1(V. SYNC output)	O	DAC1 output pin. When TEST mode, VD or vertical sync signal to frequency counter circuit is output.
26	SYNC1-IN	I	It is the input of a synchronous separation circuit. Y signal is inputted through a clamp capacitor.
27	N.C	—	It is a blank terminal. Please connect with GND.
28	VD1-OUT	O	VD output pin. This pin is open-collector system. VD1/VD2 does not be synchronizing and they are output from this pin. It's polarity is switched by BUS write function.
29	VD2-OUT	O	VD output pin. This pin is open-collector system. VD1/VD2 does not be synchronizing and they are output from this pin. It's polarity is switched by BUS write function.
30	DAC3	O	DAC2 output terminal. This pin is open-collector system. The pulse signal for a shipment test is outputted at the time of TEST mode.

■VHITB1274AF1EQ (ASSY:IC801,IC802)
VIDEO/CHROMA/SYNC. processor

●Block Diagram

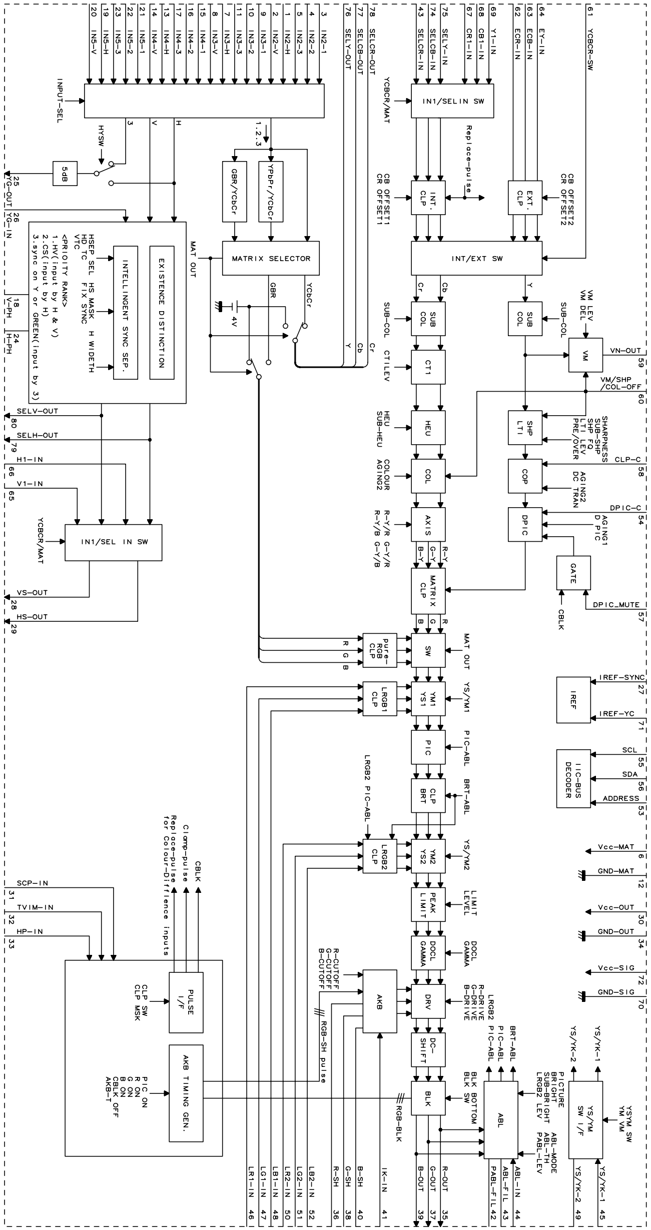


38 XTAL
40 APC FIL
45 COMB SYS
1 CVBS1/Y1-IN
48 C1-IN
44 CVBS2/Y1-IN
43 C2-IN
41 CVBS3/Y1-IN
39 C3-IN
5 COMB Y-IN
7 COMB C-IN
/forced-s
3 CVBS-OUT
11 YVI-OUT
VCXO
fsc
TINT
APC
CW PHASE
FSC-OUT 46
CHROMA SYSTEM
SECAM ID
BLACK ADJ.
P/N ID
BELL
SECAM DEMO
DE-EMPHASIS
CVBS/YC SELECT
C
Y
ACC
CHROMA ID
BPF/TOF
P/N DEMO
SW (C-MUTE)
CHROMA TRAP
S DOUBLE TRAP
LPF
1H DL
EQ
Y DL
BASE-BAND SW
SUB-COLOUR
SUB-CONTRAST
Cb/Cr
SW
OFFSET1
IIC BUS CONTROL
13 SCL
14 SDA
42 ADDRESS
6 DIGITAL_VDD
8 DIGITAL_GND
12 SYNC_VCC
16 SYNC_GND
28 Y/C_GND
32 Y/C_VCC
37 FIL
YS3(RGB1-IN) 15
YS2/YM(RGB2-IN) 36
Y1-IN 19
Cb1-IN 18
Cr1-IN 17
R1-IN 27
G1-IN 26
B1-IN 25
Y2-IN 31
Cb2-IN 30
Cr2-IN 29
R2-IN 35
G2-IN 34
B2-IN 33
CLAMP
MATRIX
OFF-SET2
SW
HALF TONE
SYNC-IN 2
SYNC SEPA
V SEPA
V INTEG
V C/D
VS 4
MASK
H C/D
HS 9
SCP 10
AFC
H VCO
DL
LPF
AMP
Cr-OUT 23
Cb-OUT 22
CLP
SHARP-NESS
SET-UP
21 Y-OUT
CLP-FIL 20

●Pin Function

Pin No.	Pin Name	I/O	Pin Function
1	CVBS1/Y1-IN	I	CVBS1 or a Y1-IN signal is inputted.
2	SYNC-IN	I	Synchronized signal is inputted.
3	CVBS-OUT	O	Output terminal of CVBS or a Y+C signal.
4	VS	O	Counted-down vertical synchronized signal is outputted.
5	COMB Y-IN	I	Y-signal outputted from comb-filter is inputted. It opens, when not using it.
6	D-VDD	—	Power supply of a DDS/BUS/V-CD/H-CD block is supplied. DC5V (standard)"
7	COMB C-IN	I	C-signal outputted from comb-filter is inputted. It opens, when not using it."
8	D-GND	—	GND terminal of a DDS/BUS/V-CD/H-CD block.
9	HS	O	Horizontal synchronized signal which required H-AFC is outputted.
10	SCP	O	Sand Castle Pulse is outputted. A clamp pulse and a horizontal Blanking pulse are outputted.
11	Yvi-IN	O	Y-signal for a synchronous input selected by Video-SW is outputted.
12	SYNC-VCC	—	Power supply of a SYNC/HVCO block is supplied. DC5V (standard)
13	SCL	I	SCL terminal of I2CBUS.
14	SDA	I/O	SDA terminal of I2CBUS.
15	YS3(RGB1-in)	I	Selecte SW of a main signal and RGB1 input signal. Only when "RGB1-ENB" is set as "enable" by bus setup, the input of YS3 becomes effective.
16	SYNC-GND	—	GND terminal of a SYNC/HVCO block.
17	Cr1-IN	I	Y1-/Cb1/Cr1 signal is inputted.
18	Cb1-IN	I	
19	Y1-IN	I	
20	CLP-FIL	—	Filter for Y clamp is connected.
21	Y-OUT	O	Y/Cb/Cr signal is outputted.
22	Cb-OUT	O	
23	Cr-OUT	O	
24	YS1(YVbC2-IN)	I	Selecte SW of a main signal and YCrCb2 input signal.
25	B1-IN	I	RGB1 signal is inputted. This input is selected in YS3 or I2CBUS.
26	G1-IN	I	
27	R1-IN	I	
28	Y/C-GND	—	GND terminal of Y/C/Text/Video-SW / 1HDL block.
29	Cr2-IN	I	Y2/Cb2/Cr2 signal is inputted. This input is selected in YS1. It opens, when not using it.
30	Cb2-IN	I	
31	Y2-IN	I	
32	Y/C-VCC	—	Power supply of Y/C/Text/Video-SW / 1HDL block is supplied. DC5V (standard)
33	B2-IN	I	RGB2 signal is inputted. This input is selected in YS2. It opens, when not using it.
34	G2-IN	I	
35	R2-IN	I	
36	YS2/YM(RGB2-IN)	I	Selecte SW of a main signal and RGB2 input signal.
37	FIL.	—	Connects with a Y/C-VCC terminal.
38	X'TAL	—	16.2MHz X'tal oscillation element is connected.
39	C3-IN	I	Chrominance signal is inputted. It opens, when not using it.
40	APC-FIL	—	Filter for a chrominance demodulater is connected.
41	CVBS3/Y3-IN	I	CVBS3 or Y3 signal is inputted. It opens, when not using it.
42	ADDRESS	I	Slave address is set up.
43	C2-IN	I	Chrominance signal is inputted. It opens, when not using it.
44	CVBS2/Y2-IN	I	CVBS2 or Y2 signal is inputted. It opens, when not using it.
45	COMB SYS	O	The distinction result of the received color system is outputted from this terminal and a terminal 46.
46	Fsc-OUT	O	Subcarrier is outputted.
47	AFC-FIL	—	Filter for AFC detection is connected.
48	C1-IN	I	Chrominance signal is inputted. It opens, when not using it.

■VHICXA2101Q-1Q(ASSY:IC803)
Multi Component Processor
●Block Diagram



61 YCBCR-SW
64 EY-IN
63 ECB-IN
62 ECR-IN
69 Y1-IN
68 CB1-IN
67 CR1-IN
75 SELY-IN
74 SELCB-IN
43 SELCR-IN
78 SELCR-OUT
77 SELCB-OUT
76 SELY-OUT
3 IN2-1
4 IN2-2
5 IN2-3
1 IN2-H
2 IN2-V
9 IN3-1
10 IN3-2
11 IN3-3
7 IN3-H
8 IN3-V
15 IN4-1
16 IN4-2
17 IN4-3
13 IN4-H
14 IN4-V
21 IN5-1
22 IN5-2
23 IN5-3
19 IN5-H
20 IN5-V
IN1/SELIN SW
Replace-pulse
YCBCR/MAT
CB OFFSET2
CR OFFSET2
EXT. CLP
INT. CLP
CB OFFSET1
CR OFFSET1
INT/EXT SW
VM LEV
VM DEL
VM
SUB-COL
SUB COL
CT1
CTILEV
HEU
SUB-HEU
COL
COLOUR
AGING2
AXIS
R-Y/R G-Y/R
R-Y/B G-Y/B
MATRIX CLP
SHARPNESS
SUB-SHP
SHP FQ
LTI LEV
PRE/OVER
SHP LTI
COP
AGING2
DC TRAN
DPIC
AGING1
D PIC
GATE
CBLK
VN-OUT 59
VM/SHP /COL-OFF 60
CLP-C 58
DPIC-C 54
DPIC-MUTE 57
IREF-SYNC 27
IREF-YC 71
IREF
SCL 55
SDA 56
ADDRESS 53
IIC-BUS DECODER
Vcc-MAT 6
GND-MAT 12
Vcc-OUT 30
GND-OUT 34
Vcc-SIG 72
GND-SIG 70
YSYM SW
YM VM
YS/YM SW I/F
YS/YK-1 45
YS/YK-2 49
PICTURE
BRIGHT
SUB-BRIGHT
LRGB2 LEV
ABL-MODE
ABL-TH
PABL-LEV
ABL
BRT-ABL
PIC-ABL
ABL-IN 44
ABL-FIL 43
PABL-FIL 42
MAT OUT
SW
pure-RGB CLP
YS/YM1
YM1 YS1
LRGB1 CLP
PIC-ABL
PIC
BRT-ABL
CLP BRT
YS/YM2
YM2 YS2
LRGB2 CLP
LRGB2 PIC-ABL
LIMIT LEVEL
PEAK LIMIT
DOCL GAMMA
LRGB2
R-DRIVE
G-DRIVE
B-DRIVE
DRV
DC-SHIFT
BLK BOTTOM
BLK SW
BLK
RGB-BLK
R-OUT 35
G-OUT 37
B-OUT 39
AKB
IK-IN 41
B-SH 40
G-SH 38
R-SH 36
R-CUTOFF
G-CUTOFF
B-CUTOFF
RGB-SH pulse
LB2-IN 52
LG2-IN 51
LR2-IN 50
LB1-IN 48
LG1-IN 47
LR1-IN 46
YCbCr
GBR
4V
1.2.3
YPbPr/YCbCr
GBR/YCbCr
MATRIX SELECTOR
MAT OUT
H
V
3
HYSW
5dB
INPUT-SEL
EXISTENCE DISTINCTION
INTELLINGENT SYNC SEP.
HSEP SEL HS MASK H WIDETH
HD TC FIX SYNC
VTC
<PRIOITY RANK>
1.HV(input by H & V)
2.CS(input by H)
3.sync on Y or GREEN(input by 3)
25 YG-OUT
26 YG-IN
18 V-PH
24 H-PH
SELV-OUT 80
SELH-OUT 79
H1-IN 66
V1-IN 65
IN1/SEL IN SW
YCBCR/MAT
VS-OUT 28
HS-OUT 29
CBLK
Clamp-pulse
Replace-pulse for Colour-Diffience inputs
PULSE I/F
AKB TIMING GEN.
CLP SW
CLP MSK
PIC ON
R ON
G ON
B ON
CBLK OFF
AKB-T
SCP-IN 31
TVIM-IN 32
HP-IN 33

●Pin Function

Pin No.	Pin Name	I/O	Pin Function
1	IN2-H	I	IN2-H:FIndependent H-synchronization signal input terminal
2	IN2-V	I	IN2-V:FIndependent V-synchronization signal input terminal
3	IN2-1	I	Signal input terminal of IN2 system
4	IN2-2	I	
5	IN2-3	I	
6	Vcc-MAT	—	Power supply terminal of a selector system and a synchronous processing system
7	IN3-H	I	IN3-H:FIndependent H-synchronization signal input terminal
8	IN3-V	I	IN3-V:FIndependent V-synchronization signal input terminal
9	IN3-1	I	Signal input terminal of IN3 system
10	IN3-2	I	
11	IN3-3	I	
12	GND-MAT	—	Ground terminal of a selector system and a synchronous processing system
13	IN4-H	I	IN4-H:FIndependent H-synchronization signal input terminal
14	IN4-V	I	IN4-V:FIndependent V-synchronization signal input terminal
15	IN4-1	I	Signal input terminal of IN4 system
16	IN4-2	I	
17	IN4-3	I	
18	V-PH	—	Capacitor connection terminal for carrying out the peak hold of the V-sync.
19	IN5-H	I	IN5-HÅFIndependent H-synchronization signal input terminal
20	IN5-V	I	IN5-VÅFIndependent V-synchronization signal input terminal
21	IN5-1	I	Signal input terminal of IN5 system
22	IN5-2	I	
23	IN5-3	I	
24	H-PH	—	Capacitor connection terminal for carrying out the peak hold of the H-sync.
25	YG-OUT	O	Composite Video signal output terminal for synchronous separation.
26	YG-IN	I	Composite Video signal input terminal for synchronous separation.
27	IREF-SYNC	—	Reference current setting terminal (about 4.6 V)
28	VS-OUT	O	HV of IN1 system or HV of IN2 to IN5 system selector output, and this either are chosen by I2 C BUS"YCBCR/MAT", and it outputs by positive.
29	HS-OUT	O	
30	Vcc-OUT	O	Power supply terminal of RGB system
31	SCP-IN	I	Input terminal of Sand-Castle-Pulse
32	VTIM-IN	I	Input terminal of V-timing pulse.
33	HP-IN	I	Input terminal of H-pulse
34	GND-OUT	O	Ground terminal of RGB system
35	R-OUT	O	Output terminal of RGB signal Outputted by 2.6 Vp-p at the time of the input of the white of 100IRE.
37	G-OUT	O	
39	B-OUT	O	
36	R-SH	—	Sample & Hold terminal for AKB of RGB
38	G-SH	—	
40	B-SH	—	
41	IK-IN	I	Reference pulse is returned to this terminal.
42	PABL-FIL	I	Peak hold terminal of Peak ABL.
43	ABL-FIL	I	LPF is formed to an ABL control signal.
44	ABL-IN	I	ABL control signal input terminal
45	YS/YM-1	I	Control input terminal of YM1/YS1 Input level corresponds with three values. When the value of YM and each YS reaches, it serves also as the function which turns off VM.
46	LR1-IN	I	Signal input terminal of analog RGB1
47	LG1-IN	I	
48	LB1-IN	I	
49	YS/YM-2	I	Control input terminal of YM2/YS2 Input level corresponds with three values. When the value of YM and each YS reaches, it serves also as the function which turns off VM.
50	LR2-IN	I	Signal input terminal of analog RGB2
51	LG2-IN	I	
52	LB2-IN	I	
53	ADDRESS	I	Slave address setting terminal of I2C BUS.
54	DPIC-C	—	Capacitor is connected to black detection of dynamic picture (black extension) at GND.
55	SCL	I	Input terminal of SCL(Serial Clock) of a I2C BUS standard.
56	SDA	I	Input terminal of SDA(Serial Data) of a I2C BUS standard.
57	DPIC-MUTE	I	MUTE of dynamic picture (black extension) is controllable with a terminal.
58	CLP-C	I	Connection terminal of the capacitor for Y-system clamp.

61-1

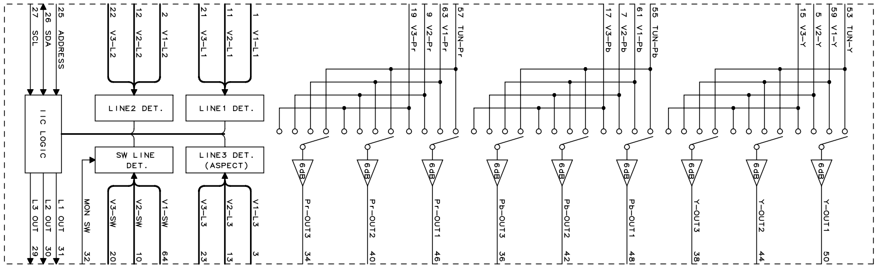
61-2

Pin No.	Pin Name	I/O	Pin Function
59	VM-OUT	O	VM output terminal. The differentiation waveform of Y-signal is outputted by positive.
60	VM/SHP/ COL-OFF	—	Terminal for turning off VM, SHARPNESS, and COLOUR. Input level corresponds with three values.
61	YCBCR-SW	I	Change terminal of a signal inputted into INT/EXT SW. External input terminal is chosen by High.
62	ECR-IN	I	Input terminal of Exteriors Y, Cb and Cr.
63	ECB-IN	I	
64	EY-IN	I	
65	V1-IN	I	Input terminal of HV of IN1 system. Positive input.
66	H1-IN	I	
67	CR1-IN	I	Input terminal of Y, Cb, and Cr of IN1 system.
68	CB1-IN	I	
69	Y1-IN	I	
70	GND-SIG	—	GND terminal of the signal processing system of Y-component
71	IREF-YC	—	Reference current setting terminal (mainly Y-component signal processing system).
72	Vcc-SIG	—	Power supply terminal of the signal processing system of Y-component.
73	SELCR-IN	I	Selector outputs Y, Cb, and Cr are inputted through the capacitor for a clamp.
74	SELCB-IN	I	
75	SELY-IN	I	
76	SELY-OUT	O	Selector output terminal of IN2 to IN5. The signal changed into Y, Cb, and Cr is outputted.
77	SELCB-OUT	O	
78	SELCR-OUT	O	
79	SELH-OUT	O	Selector HV output terminal of IN2 to IN5.
80	SELV-OUT	O	

■VHIMM1519XQ-1Q(IC1401)

Component input video switch

●Block Diagram


53 TUN-Y
59 V1-Y
5 V2-Y
15 V3-Y
55 TUN-Pb
61 V1-Pb
7 V2-Pb
17 V3-Pb
57 TUN-Pr
63 V1-Pr
9 V2-Pr
19 V3-Pr
1 V1-L1
11 V2-L1
21 V3-L1
2 V1-L2
12 V2-L2
22 V3-L2
25 ADDRESS
26 SDA
27 SCL
LINE1 DET.
LINE2 DET.
LINE3 DET. (ASPECT)
SW LINE DET.
IIC LOGIC
6dB
Y-OUT1 50
Y-OUT2 44
Y-OUT3 38
Pb-OUT1 48
Pb-OUT2 42
Pb-OUT3 36
Pr-OUT1 46
Pr-OUT2 40
Pr-OUT3 34
V1-L3 3
V2-L3 13
V3-L3 23
V1-SW 64
V2-SW 10
V3-SW 20
MON SW 32
L1 OUT 31
L2 OUT 30
L3 OUT 29

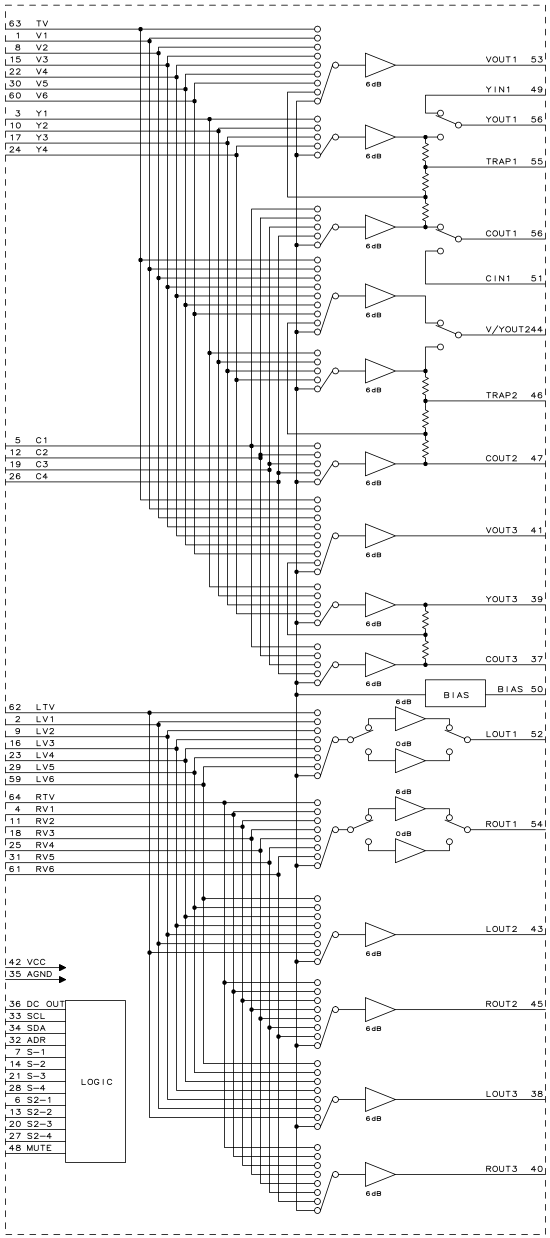
●Pin Function

Pin No.	Pin Name	I/O	Pin Function
1	VIDEO 1-L1	I	Line input of D-terminal
2	VIDEO 1-L2	I	
3	VIDEO 1-L3	I	
11	VIDEO 2-L1	I	
12	VIDEO 2-L2	I	
13	VIDEO 2-L3	I	
21	VIDEO 3-L1	I	
22	VIDEO 3-L2	I	
23	VIDEO 3-L3	I	
4,14,39,45,52,58	VCC	—	Analog power supply(9V)
51	AVCC	—	
5	VIDEO 2-Y	I	Y-signal input
15	VIDEO 3-Y	I	
53	TUNER-Y	I	
59	VIDEO 1-Y	I	
24	DGND	—	GND
6,8,16,18,33,35, 37,41,43,47,49, 54,56,60,62	GND	—	
7	VIDEO 2-Pb	I	Pb,Pr signal input
9	VIDEO 2-Pr	I	
17	VIDEO 3-Pb	I	
19	VIDEO 3-Pr	I	
55	TUNER-Pb	I	
57	TUNER-Pr	I	
61	VIDEO 1-Pb	I	
63	VIDEO 1-Pr	I	
10	VIDEO 2-SW	I	Switch line of D-terminal
20	VIDEO 3-SW	I	
32	MONO-SW	I	
64	VIDEO 1-SW	I	
25	ADDRESS	I	Slave address select pin
26	SDA	I/O	Data input of I2C bus
27	SCL	I	Clock input of I2C bus
28	DVCC	—	Digital power supply(5V)
29	L3 OUT	O	Line output for monitor
30	L2 OUT	O	
31	L1 OUT	O	
34	Pr OUT 3	O	Video signal output
36	Pb OUT 3	O	
38	Y OUT 3	O	
40	Pr OUT 2	O	
42	Pb OUT 2	O	
44	Y OUT 2	O	
46	Pr OUT 1	O	
48	Pb OUT 1	O	
50	Y OUT 1	O	

■VHICXA2069Q-1 (ASSY:IC1301)

S2 correspondence 7 input 3 output AV switch

- Block Diagram


63 TV
1 V1
8 V2
15 V3
22 V4
30 V5
60 V6
3 Y1
10 Y2
17 Y3
24 Y4
5 C1
12 C2
19 C3
26 C4
62 LTV
2 LV1
9 LV2
16 LV3
23 LV4
29 LV5
59 LV6
64 RTV
4 RV1
11 RV2
18 RV3
25 RV4
31 RV5
61 RV6
42 VCC
35 AGND
36 DC OUT
33 SCL
34 SDA
32 ADR
7 S-1
14 S-2
21 S-3
28 S-4
6 S2-1
13 S2-2
20 S2-3
27 S2-4
48 MUTE
LOGIC
VOUT1 53
YIN1 49
YOUT1 56
TRAP1 55
COUT1 56
CIN1 51
V/YOUT2 44
TRAP2 46
COUT2 47
VOUT3 41
YOUT3 39
COUT3 37
BIAS
BIAS 50
LOUT1 52
ROUT1 54
LOUT2 43
ROUT2 45
LOUT3 38
ROUT3 40
6dB
0dB

63-1

- Pin Function

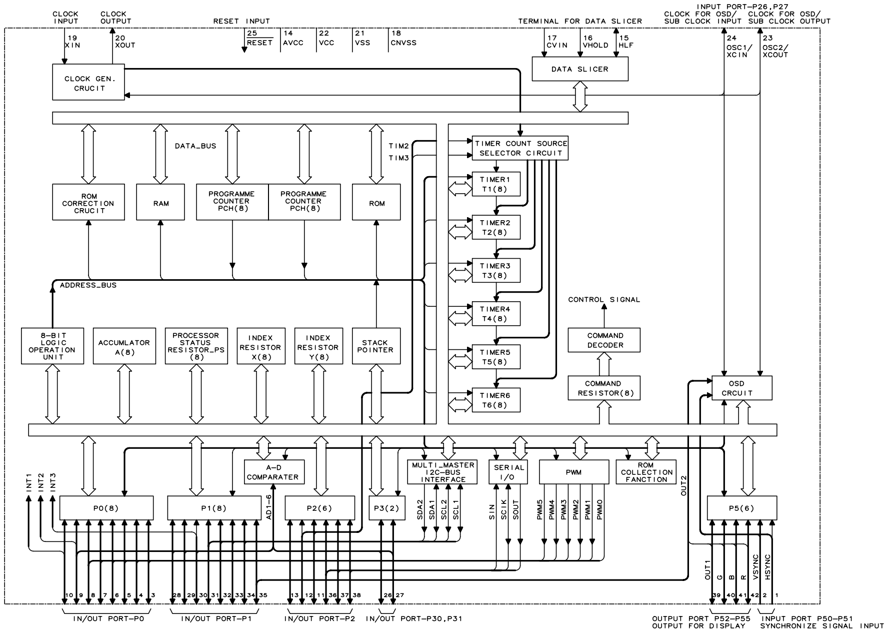
Pin No.	Pin Name	I/O	Pin Function
63	TV	I	Video signal input
1	V1	I	Composite video signal input
8	V2	I	
15	V3	I	
22	V4	I	
30	V5	I	
60	V6	I	
3	Y1	I	Luminance signal is inputted with a Y/C separation signal input terminal. YIN1 inputs the signal which carried out Y/C separation of the output of VOUT1.
10	Y2	I	
17	Y3	I	
24	Y4	I	
49	YIN1	I	
5	C1	I	Chrominance signal is inputted with the input terminal of Y/C separation signal. CIN1 inputs the signal which carried out Y/C separation of the output of VOUT1.
12	C2	I	
19	C3	I	
26	C4	I	
51	CIN1	I	
62,2	LTV,LV1	I	Input terminal of an audio signal
9,16	LV2,LV3	I	
23,29	LV4,LV5	I	
59,64	LV6,RTV	I	
4,11	RV1,RV2	I	
18,25	RV3,RV4	I	
31,61	RV5,RV6	I	
53	VOUT1	O	Composite video signal is outputted with the output terminal of a video signal.
41	VOUT3	O	
44	V/YOUT2	O	Composite video signal output or a luminance signal output is chosen with the output terminal of a video signal in I2C Bus control.
56	YOUT1	O	Luminance signal is outputted with the output terminal of a video signal.
39	YOUT3	O	
58	COUT1	O	Chrominance signal is inputted with the output terminal of a video signal.
47	COUT2	O	
37	COUT3	O	
52	LOUT1	O	Audio signal output terminal
43	LOUT2	O	
38	LOUT3	O	
54	ROUT1	O	
45	ROUT2	O	
40	ROUT3	O	
6	S2-1	I	Terminal on which C-signal was overlapped and which detects DC of S2 correspondence. Less than 1.3V and they are 4:3 picture signals. More than 1.3V and less than 2.5V, and is a 4:3 letter box signal. More than 2.5V and is the squeeze signal of 16:9 pictures. GND at 100KΩ pull-down Since it is carrying out, it becomes 4:3 picture signals at the time of opening.
13	S2-2	I	
20	S2-3	I	
27	S2-4	I	
7	S-1	I	Terminal for a change of composite video/S. Detection result is written in a status register. Less than 3.5V and is S-signal. More than 3.5V and is a composite video signal. Since the pull-up is carried out to 5V by resistance of 100KÉ , it becomes a composite video signal at the open.
14	S-2	I	
21	S-3	I	
28	S-4	I	
32	ADR	I	I2C Choose the slave address for Bus. Less than 1.5V and is 90H. More than 2.5V and is 92H. Set to 90H at the time of terminal opening.
33	SCL	I	Signal input terminal for I2C Bus.
34	SDA	I	Signal input terminal for I2C Bus.
36	DC OUT	O	DC of the S2 correspondence superimposed on COUT3 output is outputted. DC is superimposed by connecting with COUT3 output through capacity. Control by I^2CBus. When external resistance 4.7Kohm is attached, output impedance 10±3KΩ of S2 standard is realized.
55	TRAP1	I	Trap circuit for subcarriers is connected.
46	TRAP2	I	
48	MUTE	I	Mute terminal for audio signal output Less than 1.3V and is the mute off. More than 2.5V and is the mute on.
50	BIAS	I	Terminal for internal reference bias (Vcc/2). Connects with GND through a capacitor.

63-2

■RH-IXA837WJN1Y (ASSY:IC1601-2)

Single-chip 8-bit CMOS microcomputer with Closed caption decoder and On-screen display controller.

- Block Diagram


CLOCK INPUT
CLOCK OUTPUT
RESET INPUT
TERMINAL FOR DATA SLICER
INPUT PORT-P26,P27
CLOCK FOR OSD/ SUB CLOCK INPUT
CLOCK FOR OSD/ SUB CLOCK OUTPUT
19 XIN
20 XOUT
25 RESET
14 AVCC
22 VCC
21 VSS
18 CNVSS
17 CVIN
16 VHOLD
15 HLF
24 OSC1/ XCIN
23 OSC2/ XCOUT
CLOCK GEN. CRUCIT
DATA SLICER
DATA_BUS
TIM2
TIM3
ROM CORRECTION CRUCIT
RAM
PROGRAMME COUNTER PCH(8)
PROGRAMME COUNTER PCH(8)
ROM
TIMER COUNT SOURCE SELECTOR CIRCUIT
TIMER1 T1(8)
TIMER2 T2(8)
TIMER3 T3(8)
TIMER4 T4(8)
TIMER5 T5(8)
TIMER6 T6(8)
ADDRESS_BUS
CONTROL SIGNAL
8-BIT LOGIC OPERATION UNIT
ACCUMLATOR A(8)
PROCESSOR STATUS RESISTOR_PS (8)
INDEX RESISTOR X(8)
INDEX RESISTOR Y(8)
STACK POINTER
COMMAND DECODER
COMMAND RESISTOR(8)
OSD CRCUIT
A-D COMPARATER
MULTI_MASTER I2C-BUS INTERFACE
SERIAL I/O
PWM
ROM COLLECTION FANCTION
INT1
INT2
INT3
P0(8)
P1(8)
AD1-6
P2(6)
P3(2)
SDA2
SDA1
SCL2
SCL1
SIN
SCIK
SOUT
PWM5
PWM4
PWM3
PWM2
PWM1
PWM0
OUT2
P5(6)
OUT1
G
B
R
VSYNC
HSYNC
10 9 8 7 6 5 4 3
28 29 30 31 32 33 34 35
13 12 11 36 37 38
26 27
39 40 41 42 2 1
IN/OUT PORT-P0
IN/OUT PORT-P1
IN/OUT PORT-P2
IN/OUT PORT-P30,P31
OUTPUT PORT P52-P55 OUTPUT FOR DISPLAY
INPUT PORT P50-P51 SYNCHRONIZE SIGNAL INPUT

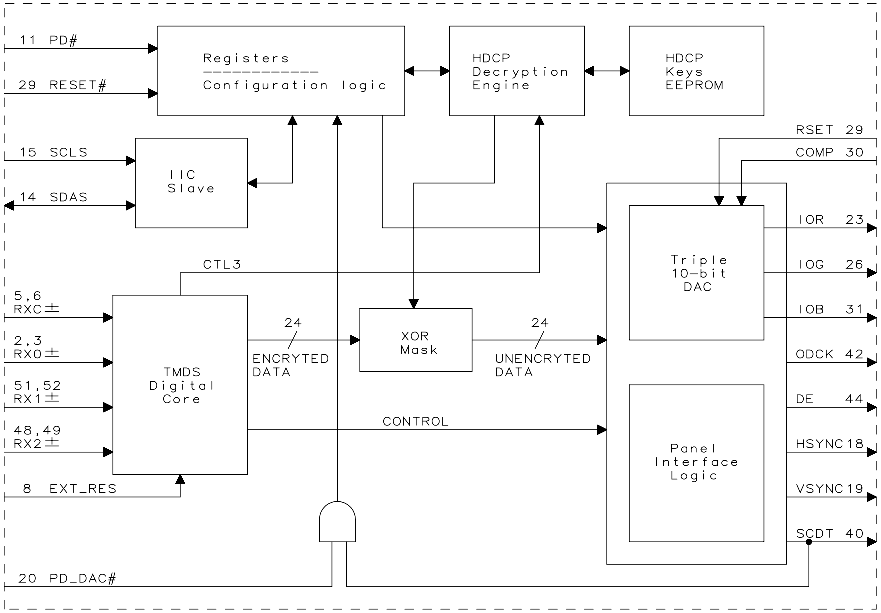
- Pin Function

Pin No.	Pin Name		I/O	Pin Function
22,14,21	VCC,AVCC, VSS	Power supply	—	To VCC, AVCC5V ± 10 (Standard) C0V are impressed to VSS.
18	CNVSS	CNVSS		Please connect with VSS.
25	RESET	Reset input	I	Required more than 2 mus to reset with a reset input terminal.
19	XIN	Clock input	I	It is the input-and-output terminal of a main clock generating circuit. The clock generating circuit is built in and a setup of oscillation frequency is performed by connecting a ceramic resonance element or a crystal oscillation element between XIN and XOUT. When you use an external clock input, please connect the source of a clock oscillation to a XIN terminal, and open a XOUT terminal wide.
20	XOUT	Clock output	O	
3,4,5,6,7,8, 9,10	P00/PWM0~ P05/PWM5, P06/INT2/AD4, P07/INT1	In/output port P0	I/O	A port P0 is an input-and-output port of 8 bits. It has the input-and-output direction register, and can program whether it is made an input terminal for every bit, or it is made an output terminal. At the time of reset, it becomes input mode. Output form is N channel open DOREIN output.
		PWM output	O	P00 - P05 terminal are the PWM output terminal PWM0 - PWM5, and common use, respectively. Output form is N channel open DOREIN output.
		External interruption input	I	P06 and P07 terminal are the INT external interruption input terminals INT2 and INT1 and common use, respectively.
		Analog input	I	P06 terminals are the analog input terminal AD4 and common use.
35,34,33,32, 31,30,29,28	P10/OUT2, P11/SCL1, P12/SCL2, P13/SDA1, P14/SDA2, P15/AD1/INT3, P16/AD2, P17/AD3	In/output port P1	I/O	The port P1 has the function almost equivalent to a port P0 in the input-and-output port of 8 bits. Output form is a CMOS output.
		OSD output	O	P10 terminals are the OSD output terminal OUT2 and common use. Output form is a CMOS output.
		Multi-master 12 C-BUS interface	I/O	P11 - P14 terminal are SCL1, SCL2, SDA1, SDA2 and common use, respectively at the time of multi-master I2 C-BUS interface use. Output form is N channel open DOREIN output.
		Analog input	I	P10, P15 - P17 terminal are the analog input terminals AD8 and AD1 - AD3 and common use, respectively.
		External interruption input	I	P15 terminals are the INT external interruption input terminal INT3 and common use.
38,37,36,11, 12,13,24,23	P20/SCLK, P21/SOUT, P22/SIN, P23/TIM3, P24/TIM2, P25, P26/OSC1/ XCIN, P27/OSC2/ XCOUT	In/output port P2	I/O	The port P2 has the function almost equivalent to a port P0 in the input-and-output port of 8 bits. Output form is a CMOS output
		Serial I/O synchronous clock in/output	I/O	P20 terminals are the serial I/O synchronous clock input-and-output terminal SCLK and common use. Output form is N channel open drain output.
		Serial I/O data output	O	P21 terminals are the serial I/O data output terminal SOUT and common use. Output form is N channel open drain output at the time of serial I/O use.
		Serial I/O data input	I	P22 terminals are the serial I/O data input terminal SIN and common use.
		External clock input	I	P23 and P24 terminal are the external clock input terminals TIM3 and TIM2 for timer for timers, and common use, respectively.
		Clock input for OSD	I	P26 terminals are the clock input terminal OSC1 for OSD, and common use.
		Clock output for OSD	O	P27 terminals are the clock input terminal OSC2 for OSD, and common use. Output form is a CMOS output.
		Sub clock input	I	P26 terminals are the sub clock input terminal XCIN and common use.
		Sub clock output	O	P27 terminals are the sub clock input terminal XCOUT and common use. Output form is a CMOS output.
27,26	P30/AD5, P31/AD6,	In/output port P3	I/O	A port P30 and P31 are the input-and-output ports of 2 bits. It has the function almost equivalent to a port P0. Output form can choose either a CMOS output or N channel open drain output.
		Analog input	I	P30 and P31 terminal are the analog input terminal AD5, AD6, and common use, respectively.
1,2	P50/HSYNC, P51/VSYNC	Input port P5	I	Port P5 is the input port of 2 bits.
		Horizontal synchronized signal	I	P50 terminals are the horizontal synchronized signal input terminal HSYNC for OSD, and common use.
		Vertical synchronized signal	I	P51 terminal is the vertical synchronized signal input terminal VSYNC for OSD.
42,41,40,39	P52/R, P53/G, P54/B, P55/OUT1	Output port P5	O	P52 - P55 terminal are the output ports of 4 bits. Output form is a CMOS output.
		OSD output	O	P52 - P55 terminal are the OSD output terminals R, G, B, and OUT1 and common use, respectively. Output form is a CMOS output.
17	CVIN	Data slicer in/output	I	Please input a composite video signal through a capacitor.
16	VHOLD		I	Please connect a capacitor between VHOLD and VSS.
15	HLF		I/O	Please connect the filter which consists of a capacitor and resistance between HLF and VSS.

■VHISII907++-1Q(ASSY: IC1650)

HDCP_LSI

- Block Diagram



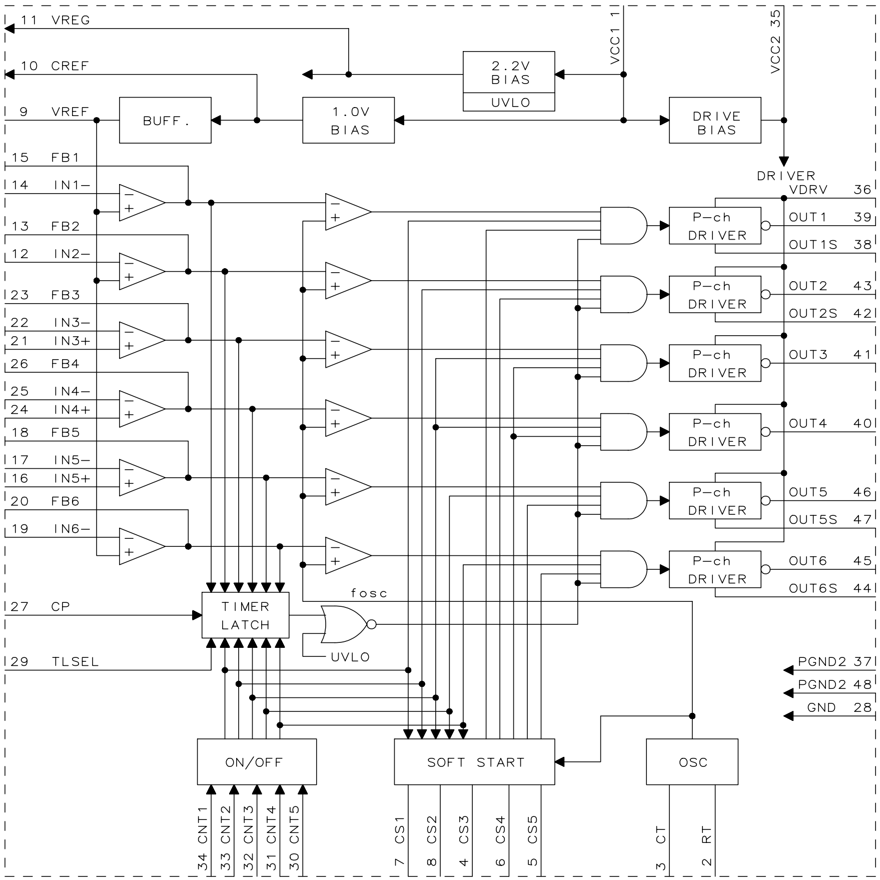
- Pin Function

Pin No.	Pin Name	I/O	Pin Function
42	ODCK	O	Output Data Clock.
44	DE	O	Output Data Enable. This signal qualifies the active data area.
18	HSYNC	O	Horizontal Sync control signal.
19	VSYNC	O	Vertical Sync control signal.
23	IOR	O	RED Analog Out.
26	IOG	O	GREEN Analog Out.
31	IOB	O	BLUE Analog Out.
30	COMP	I	Compensation. Provides compensation for the internal reference amplifier. This pin should be connected through a 0.01_F ceramic capacitor and a 10_F tantalum capacitor to DACVCC externally. These capacitors must be as close to the pin as possible to avoid any noise pick-up.
29	RSET	I	Full Scale Adjust Resistor. A precision resistor (1%) connected between this pin and DACGND controls the magnitude of the full scale video signal. RSET may need to be adjusted for optimum gain; see page 16 for recommended values. This resistor must be as close to the pin as possible to avoid any noise pick-up.
40	SCDT	O	Sync Detect. A HIGH level is output when DE is actively toggling, indicating that the link is alive. When DE is inactive, a LOW level is output indicating the link is down. SCDT is internally connected to PD_DAC# and has the same effect as PD_DAC# driven low externally (see below). SCDT can be left unconnected, tied to PD_DAC# (redundant to internal connection), or used by an external circuit to monitor the link activity. The SCDT output remains in the active mode at all times.
20	PD_DAC#	I	DAC Power Down (active LOW). A HIGH level puts the DAC in normal operation. A LOW level powers down the DAC and puts all the video data outputs into a high impedance (tri-state) mode with a weak internal pull-down device bringing the outputs to ground. The HSYNC, VSYNC, and DE signals are not affected. Only the DAC is powered down in this mode; the chip itself is not in full power-down mode with this pin. Tie high through pullup resistor if not used.

Pin No.	Pin Name	I/O	Pin Function
11	PD#	I	Power Down (active LOW). A HIGH level puts the chip in normal operation. A LOW level puts the chip in full power down mode. During this mode the following occur: the receiver core, DAC and all analog logic are powered down; all outputs (including HSYNC, VSYNC, DE, ODCK, and data signals) are brought to logic zero (0) state. Tie high through pullup resistor if not used.
2	RX0+	Analog	Receiver Data. TMDS low voltage differential signal input data pairs.
3	RX0_	Analog	
51	RX1+	Analog	
52	RX1_	Analog	
48	RX2+	Analog	
49	RX2_	Analog	
5	RXC+	Analog	Receiver Clock. TMDS low voltage differential signal input clock pair.
6	RXC_	Analog	
8	EXT_RES	Analog	Impedance Matching Control. In the common case of 50_ transmission line, an external 412_ 1% resistor is recommended for connection between AVCC and this pin.
15	SCLS	I	I2C Clock. This is a slave I2C clock interface for communicating with a host side master. The clock may be run up to 400kHz. This pin is not 5V tolerant and should go through a level shifter for connection to the DDC clock line.
14	SDAS	I/O	I2C Data. This is a slave I2C data interface for communicating with a host side master. Data may be clocked in at up to 400kHz. This pin is not 5V tolerant and should go through a level shifter for connection to the DDC data line.
39	RESET#	I	Power-On Reset. This pin acts as active LOW reset for the cipher block logic. It must be held low for at least 100ns after power up. For HDCP applications, this pin should be connected to an external power-on reset circuit that causes this signal to go high after the required low period. For non-HDCP applications, this pin should always be tied LOW.
13,22,46	VCC	Power	Digital Core VCC, must be set to 3.3V.
12,21,45	GND	Ground	Digital Core GND.
17,41	OVCC	Power	Digital Output VCC, must be set to 3.3V.
16,43	OGND	Ground	Digital Output GND.
1,7	AVCC	Power	TMDS Analog VCC must be set to 3.3V.
4,47,50	AGND	Ground	TMDS Analog GND.
9	PVCC	Power	PLL Analog VCC must be set to 3.3V.
10	PGND	Ground	PLL Analog GND.
37	DACVCC	Power	DAC Analog VCC, must be set to 3.3V.
35	DACGND	Ground	DAC Analog GND.
24	DACVCCR	Power	DAC Red VCC, must be set to 3.3V.
25	DACGNDR	Ground	DAC Red GND.
27	DACVCCG	Power	DAC Green VCC, must be set to 3.3V.
28	DACGNDG	Ground	DAC Green GND.
32	DACVCCB	Power	DAC Blue VCC, must be set to 3.3V.
33	DACGNDB	Ground	DAC Blue GND.
34	No Connect	No Connect	These pins should normally be unconnected, but can be left connected to pull-ups if desired.
36	No Connect	No Connect	
38	Reserved	Reserved	This pin must be tied HIGH for normal operation.

■VHIFA3675F/-1 (ASSY:IC1702)
6-channel DC-DC converter IC

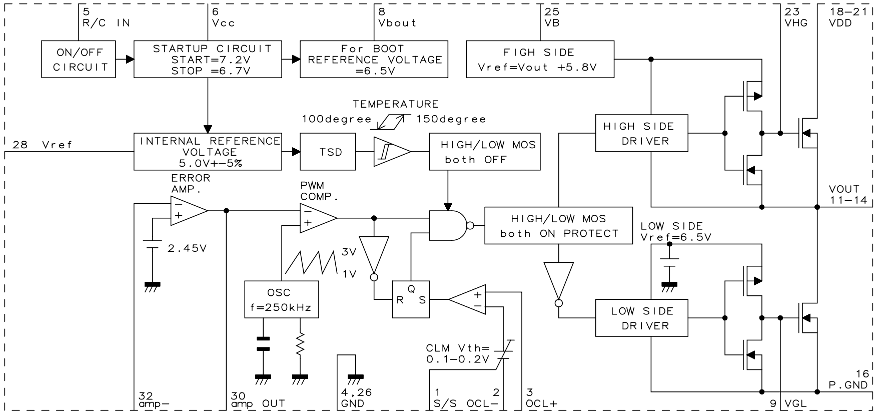
●Block Diagram


11 VREG
10 CREF
9 VREF
BUFF.
1.0V BIAS
2.2V BIAS
UVLO
VCC1 1
VCC2 35
DRIVE BIAS
DRIVER VDRV 36
15 FB1
14 IN1−
13 FB2
12 IN2−
23 FB3
22 IN3−
21 IN3+
26 FB4
25 IN4−
24 IN4+
18 FB5
17 IN5−
16 IN5+
20 FB6
19 IN6−
P-ch DRIVER
OUT1 39
OUT1S 38
OUT2 43
OUT2S 42
OUT3 41
OUT4 40
OUT5 46
OUT5S 47
OUT6 45
OUT6S 44
fosc
27 CP
TIMER LATCH
UVLO
29 TLSEL
PGND2 37
PGND2 48
GND 28
ON/OFF
SOFT START
OSC
34 CNT1
33 CNT2
32 CNT3
31 CNT4
30 CNT5
7 CS1
8 CS2
4 CS3
6 CS4
5 CS5
3 CT
2 RT

●Pin Function

Pin No.	Pin Name	I/O	Pin Function
1	VCC1	—	Power supply for control circuit.
2	RT	—	Oscillator timing resistor.
3	CT	—	Oscillator timing capacitor.
4	CS3	—	Soft start for Ch.3 & Ch.4.
5	CS5	—	Soft start for Ch.6.
6	CS4	—	Soft start for Ch.5.
7	CS1	—	Soft start for Ch.1
8	CS2	—	Soft start for Ch.2.
9	VREF	O	Reference voltage output.
10	CREF	O	Capacitor for reference voltage output.
11	VREG	O	Regulated for voltage output.
12	IN2-	I	Ch.2 inverting input to error amplifier.
13	FB2	O	Ch.2 output of error amplifier.
14	IN1-	I	Ch.1 inverting input to error amplifier.
15	FB1	O	Ch.1 output of error amplifier.
16	IN5+	I	Ch.5 non-inverting input to error amplifier.
17	IN5-	I	Ch.5 inverting input to error amplifier.
18	FB5	O	Ch.5 output of error amplifier.
19	IN6-	I	Ch.6 inverting input to error amplifier.
20	FB6	O	Ch.6 output of error amplifier.
21	IN3+	I	Ch.3 non-inverting input to error amplifier.
22	IN3-	I	Ch.3 inverting input to error amplifier.
23	FB3	O	Ch.3 output of error amplifier.
24	IN4+	I	Ch.4 non-inverting input to error amplifier.
25	IN4-	I	Ch.4 inverting input to error amplifier.
26	FB4	O	Ch.4 output of error amplifier.
27	CP	I	Timing capacitor for timer latch delay.
28	GND	—	Ground.
29	TLSEL	I	Ch.3 & Ch.4 timer latch selection(Low:disable).
30	CNT5	I	Ch.6 ON/OFF function.
31	CNT4	I	Ch.5 ON/OFF function.
32	CNT2	I	Ch.2 ON/OFF function.
33	CNT3	I	Ch.3 & Ch.4 ON/OFF function.
34	CNT1	I	Ch.1 ON/OFF function.
35	VCC2	—	Power supply for output stage.
36	VDRV	O	Bias for logic circuit of output.
37	PGND1	—	Power ground.
38	OUT1S	O	Ch.1 source electrode of output stage.
39	OUT1	O	Ch.1 output(for Pch-MOSFET)
40	OUT4	O	Ch.4 output(for Pch-MOSFET)
41	OUT3	O	Ch.3 output(for Pch-MOSFET)
42	OUT2S	O	Ch.2 source electrode of output stage.
43	OUT2	O	Ch.2 output(for Pch-MOSFET)
44	OUT6S	O	Ch.6 source electrode of output stage.
45	OUT6	O	Ch.6 output(for Pch-MOSFET)
46	OUT5	O	Ch.5 output(for Pch-MOSFET)
47	OUT5S	O	Ch.5 source electrode of output stage.
48	PGND2	—	Power ground.

■VHIMD1422N+-1Y(ASSY:IC1706)
DC-DC converter power IC
●Block Diagram



5 R/C IN
6 Vcc
8 Vbout
25 VB
23 VHG
18~21 VDD
ON/OFF CIRCUIT
STARTUP CIRCUIT START=7.2V STOP =6.7V
For BOOT REFERENCE VOLTAGE =6.5V
FIGH SIDE Vref=Vout +5.8V
TEMPERATURE
100degree
150degree
28 Vref
INTERNAL REFERENCE VOLTAGE 5.0V+-5%
TSD
HIGH/LOW MOS both OFF
HIGH SIDE DRIVER
ERROR AMP.
PWM COMP.
2.45V
3V
1V
OSC f=250kHz
HIGH/LOW MOS both ON PROTECT
LOW SIDE Vref=6.5V
VOUT 11~14
Q
R
S
LOW SIDE DRIVER
CLM Vth= 0.1~0.2V
16 P.GND
32 amp-
30 amp OUT
4,26 GND
1 S/S
2 OCL-
3 OCL+
9 VGL

●Pin Function

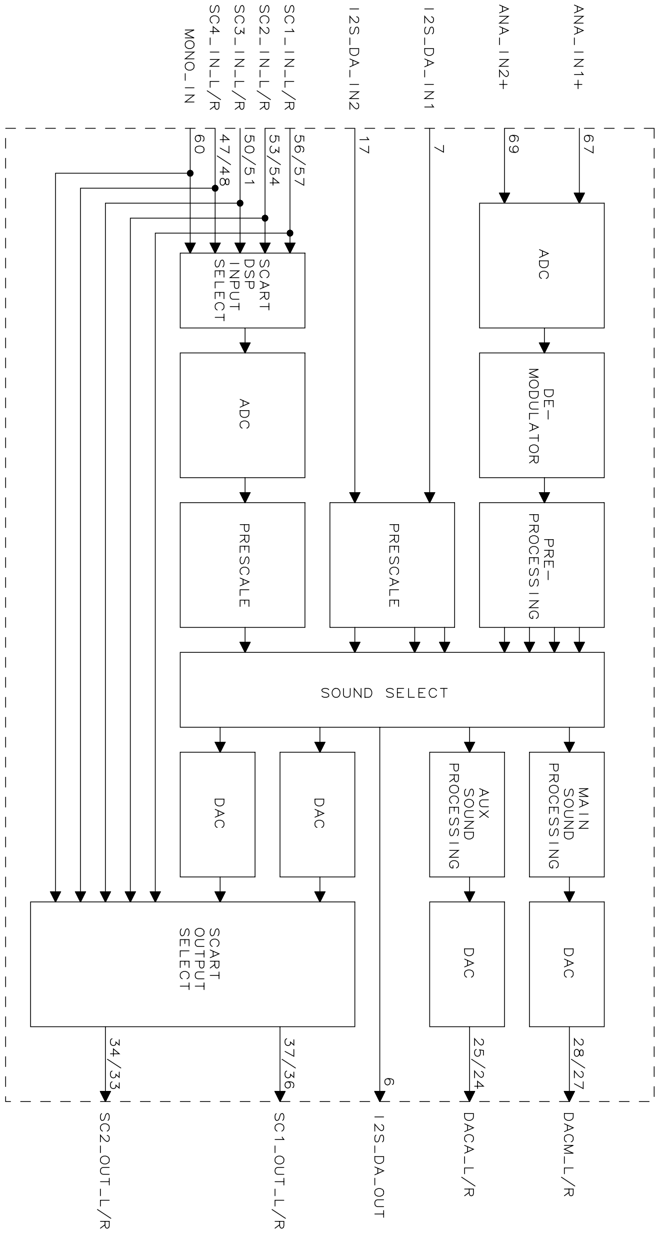
Pin No.	Pin Name	I/O	Pin Function
1	S/S	I	capacitor connection terminal for a soft start.
2	OCL-	I	Over(–) current-detection terminal.
3	OCL+	I	Over-current (+) detection terminal.
4,26	GND	—	GND terminal.
5	R/C	I	Remote ON/OFF control terminal.
6	Vcc	—	Power supply terminal of a control circuit.
8	Vboot	I	Power supply terminal of a main switch and MOSFET control circuit.
9	VGL	I	Gate terminal of the Low side MOSFET for periodic rectification.
11~14	VOUT	O	Output terminal of the power stage.
16	P.GND	—	GND terminal of an output circuit.
18~21	VDD	—	Power supply terminal of the main switch MOSFET.
23	VGH	I	Gate terminal of the high side MOSFET for periodic rectification.
25	VB	I	Output bootstrap terminal. Capacitor is connected between VB terminal and VOUT and the circuit for control of MOSFET inside IC is bootstrapped.
27	VTS	—	Terminal for TEST. Please do not connect anywhere.
28	Vref	I	Internal standard voltage output terminal.
30	ampOUT	O	Built-in error amplifier output terminal.
32	amp-	I	Built-in error amplifier reversal input terminal. .
7,10,15,17, 22,24,29,31	N/C	—	It is a no-connection terminal.

■RH-IXA802WJN3Q(ASSY:IC1901)
PLD(Programmable Logic Device)
●Pin Function

Pin No.	Pin Name	I/O	Pin Function
1	NC	—	Non connection
2	SP_CP2	I	Clamp signal input terminal from the synchronous separation IC. (with 15k system)
3	SP_VD	I	Vertical synchronized signal input terminal from the synchronous separation IC
4	GND	—	Ground
5	SP_HD	I	Horizontal synchronized signal input terminal from the synchronous separation IC
6	VD3	O	Vertical synchronized signal output terminal to the synchronous separation IC
7	HD3	O	Horizontal synchronized signal output terminal to the synchronous separation IC
8	SP_CP1	I	Clamp signal input terminal from the synchronous separation IC. (with normally)
9	TDI	I	Data input terminal for ISP
10	TMS	I	Mode input terminal for ISP
11	TCK	I	Clock input terminal for ISP
12	TEXT_HD	O	TEXT_HD output terminal
13	US_HD	I	RCA/TEXT horizontal synchronized input terminal
14	TEXT_VD	O	TEXT_VD output terminal
15	Vcc3.3V	—	Power supply terminal
16	US_VD	I	RCA/TEXT vertical synchronized input terminal
17	GND	—	Ground
18	MODEA	I	Mode selection signal A
19	MODEB	I	Mode selection signal B
20	MODEC	I	Mode selection signal C
21	SELA	I	MAIN, VIDEO, CHROME/ RCA HD change control signal
22	SELO	I	Synchronized signal output control signal input terminal for TEXT
23	SELC	I	HD change control signal input terminal for closed captions
24	TDO	O	Data output for ISP
25	GND	—	Ground
26	Vcc3.3V	—	Power supply terminal
27	VD1	I	MAIN, VIDEO, CHROME vertical synchronized signal input terminal from IC
28	HD1	I	MAIN, VIDEO, CHROME horizontal synchronized signal input terminal from IC
29	PL_VD	O	Vertical synchronized output terminal
30	PL_HD	O	Horizontal synchronized output terminal
31	PL_CP	O	Clamp signal output terminal
32	PL_BLK	O	H blank signal output terminal
33	MODED	I	Mode selection signal D
34	NC	—	Non connection
35	Vcc3.3V	—	Power supply terminal
36	NC	—	Non connection
37	CC_HD	O	Horizontal synchronized signal for closed caption
38	ow_vblk	I	V blank signal input terminal for auto wide
39	HDS	O	Horizontal synchronized signal output terminal for PC board.
40	VDS	O	Vertical synchronized signal output terminal for PC board.
41	HD2	I	Horizontal synchronized signal input terminal from SUB, VIDEO, CHROME IC
42	VD2	I	Vertical synchronized signal input terminal from SUB, VIDEO, CHROME IC
43	CLK	I	Clock input
44	NC	—	Non connection

■RH-IX3370CEN1Q(ASSY:IC2501)
Multi Standard Sound Processor

- Block Diagram


ANA_IN1+
ANA_IN2+
I2S_DA_IN1
I2S_DA_IN2
SC1_IN_L/R
SC2_IN_L/R
SC3_IN_L/R
SC4_IN_L/R
MONO_IN
67
69
7
17
56/57
53/54
50/51
47/48
60
ADC
DE-MODULATOR
PRE-PROCESSING
PRESCALE
SCART DSP INPUT SELECT
ADC
PRESCALE
SOUND SELECT
MAIN SOUND PROCESSING
AUX SOUND PROCESSING
DAC
DAC
DAC
DAC
SCART OUTPUT SELECT
28/27
25/24
6
37/36
34/33
DACM_L/R
DACA_L/R
I2S_DA_OUT
SC1_OUT_L/R
SC2_OUT_L/R

68-1

- Pin Function

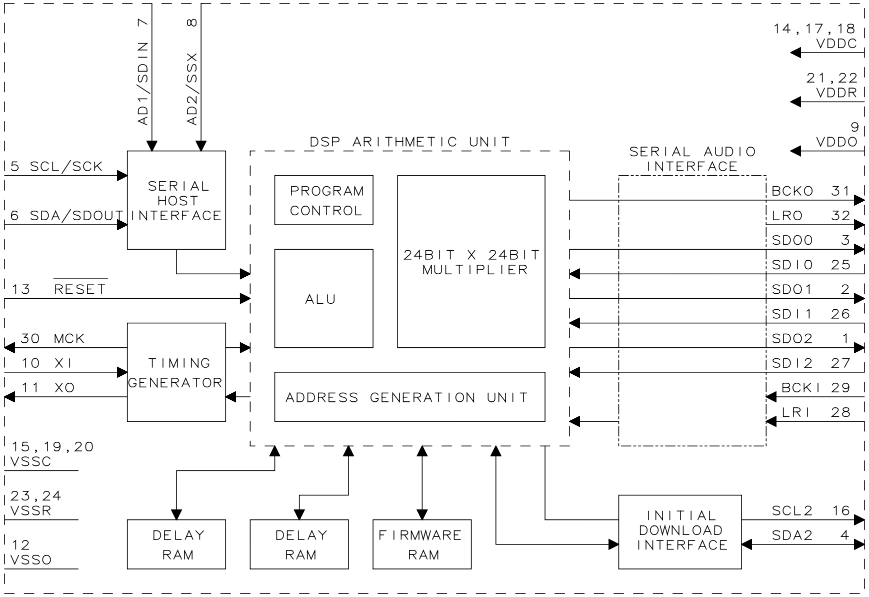
Pin No.	Pin Name	I/O	Pin Function
1	NC	—	Not connected
2	I2C_CL	I/O	I2C clock
3	I2C_DA	I/O	I2C data
4	I2S_CL	I/O	I2S clock
5	I2S_WS	I/O	I2S word strobe
6	I2S_DA_OUT	O	I2S data output
7	I2S_DA_IN1	I	I2S1 data input
8	ADR_DA	O	ADR data output
9	ADR_WS	O	ADR word strobe
10	ADR_CL	O	ADR clock
11,12,13	DVSUP	—	Digital power supply 5V
14,15,16	DVSS	—	Digital ground
17	I2S_DA_IN2	I	I2S2-data input
18	NC	—	Not connected
19	I2S_CL3	I	I2S3 clock
20	I2S_WS3	I	I2S3 word strobs
21	RESETQ	I	Power-on-reset
22	I2S_DA_IN3	I	I2S3-data input
23	NC	—	Not connected
24	DACA_R	O	Headphone out, right
25	DACA_L	O	Headphone out, left
26	VREF2	—	Reference ground 2
27	DACM_R	O	Loudspeaker out, right
28	DACM_L	O	Loudspeaker out, left
29,30,31,32	NC	—	Not connected
33	SC2_OUT_R	O	SCART 2 output, right
34	SC2_OUT_L	O	SCART 2 output, left
35	VREF1	—	Reference ground 1
36	SC1_OUT_R	O	SCART 1 output, right
37	SC1_OUT_L	O	SCART 1 output, left
38	CAPL_A	—	Volume capacitor AUX
39	AHVSUP	—	Analog power supply 8V
40	CAPL_M	—	Volume capacitor MAIN
41,42	NC	—	Not connected
43,44	AHVSS	—	Analog ground
45	AGNDC	—	Analog reference voltage
46	NC	—	Not connected
47	SC4_IN_L	I	SCART 4 input, left
48	SC4_IN_R	I	SCART 4 input, right
49	ASG	—	Analog Shield Ground
50	SC3_IN_L	I	SCART 3 input, left
51	SC3_IN_R	I	SCART 3 input, right
52	ASG	—	Analog Shield Ground
53	SC2_IN_L	I	SCART 2 input, left
54	SC2_IN_R	I	SCART 2 input, right
55	ASG	—	Analog Shield Ground
56	SC1_IN_L	I	SCART 1 input, left
57	SC1_IN_R	I	SCART 1 input, right
58	VREFTOP	—	Reference voltage IF A/D converter
59	NC	—	Not connected
60	MONO_IN	I	Mono input
61,62	AVSS	—	Analog ground
63,64	NC	—	Not connected
65,66	AVSUP	—	Analog power supply 5V
67	ANA_IN1+	I	IF input 1
68	ANA_IN-	I	IF common(can be left vacant, only if IF input 1 is also not in use)
69	ANA_IN2+	I	IF input 2(can be left vacant, only if IF input 1 is also not in use)
70	TESTEN	I	Test pin
71	XTAL_IN	I	Crystal oscillator
72	XTAL_OUT	O	
73	TP	—	Test pin
74	AUD_CL_OUT	O	Audio clock output(18.432MHz)
75,76	NC	—	Not connected
77	D_CTR_I/O_1	I/O	D_CTR_I/O_1
78	D_CTR_I/O_0	I/O	D_CTR_I/O_0
79	ADR_SEL	I	I2C Bus address select
80	STANDBYQ	I	Stand-by(low-active)

68-2

■VHINJU26150-1Q(ASSY:IC2518)

DIGITAL AUDIO PROCESSOR

●Block Diagram


AD1/SDIN 7
AD2/SSX 8
14,17,18 VDDC
21,22 VDDR
9 VDDO
5 SCL/SCK
6 SDA/SDOUT
SERIAL HOST INTERFACE
DSP ARITHMETIC UNIT
PROGRAM CONTROL
ALU
24BIT X 24BIT MULTIPLIER
ADDRESS GENERATION UNIT
SERIAL AUDIO INTERFACE
BCKO 31
LRO 32
SDO0 3
SDI0 25
SDO1 2
SDI1 26
SDO2 1
SDI2 27
BCKI 29
LRI 28
13 RESET
30 MCK
10 XI
11 XO
TIMING GENERATOR
15,19,20 VSSC
23,24 VSSR
12 VSSO
DELAY RAM
DELAY RAM
FIRMWARE RAM
INITIAL DOWNLOAD INTERFACE
SCL2 16
SDA2 4

●Pin Function

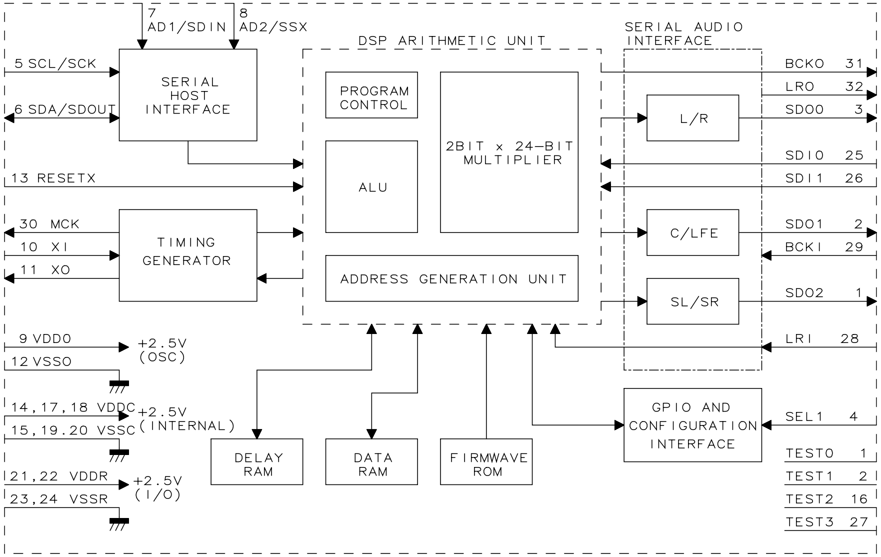
Pin No.	Pin Name	I/O	Pin Function
1	SDO2	O	Sound data output CH2
2	SDO1	O	Sound data output CH1
3	SDO0	O	Sound data output CH0
4	SDA2	I/O	I2C I/O (for download)
5	SCL/SCK	I	I2C clock / serial clock
6	SDA/SDOUT	I/O	I2C I/O / serial out
7	AD1/SDIN	I	I2C address / serial in
8	AD2/SSX	I	I2C address / serial enable
9	VDDO	—	Power supply for oscillator (+2.5V)
10	XI	I	Clock input terminal
11	XO	O	Output for VCO connection
12	VSSO	—	Oscillator power supply GND
13	RESET	I	Reset terminal
14	VDDC	—	Internal power supply +2.5V
15	VSSC	—	Internal power supply GND
16	SCL2	I/O	I2C clock output (for download)
17	VDDC	—	Internal power supply +2.5V
18	VDDC	—	Internal power supply +2.5V
19	VSSC	—	Internal power supply GND
20	VSSC	—	Internal power supply GND
21	VDDR	—	Power supply for I/O (+2.5V)
22	VDDR	—	Power supply for I/O (+2.5V)
23	VSSR	—	I/O ground
24	VSSR	—	I/O ground
25	SDI0	I	Sound data output channel 0
26	SDI1	I	Sound data output channel 1
27	SDI2	I	Sound data output channel 2
28	LRI	I	LR clock input
29	BCKI	I	Bit clock input
30	MCK	O	A/D, D/A clock input
31	BCKO	O	Bit clock output
32	LRO	O	LR clock output

69-1

■VHINJU26106-1Q(ASSY:IC2521)

DOLBY PROLOGIC II/VIRTUAL DOLBY SURROUND

●Block Diagram


7 AD1/SDIN
8 AD2/SSX
5 SCL/SCK
6 SDA/SDOUT
SERIAL HOST INTERFACE
13 RESETX
DSP ARITHMETIC UNIT
PROGRAM CONTROL
ALU
2BIT x 24-BIT MULTIPLIER
ADDRESS GENERATION UNIT
SERIAL AUDIO INTERFACE
L/R
C/LFE
SL/SR
BCKO 31
LRO 32
SDO0 3
SDI0 25
SDI1 26
SDO1 2
BCKI 29
SDO2 1
LRI 28
30 MCK
10 XI
11 XO
TIMING GENERATOR
9 VDDO
+2.5V (OSC)
12 VSSO
14,17,18 VDDC
+2.5V (INTERNAL)
15,19,20 VSSC
21,22 VDDR
+2.5V (I/O)
23,24 VSSR
DELAY RAM
DATA RAM
FIRMWAVE ROM
GPIO AND CONFIGURATION INTERFACE
SEL1 4
TEST0 1
TEST1 2
TEST2 16
TEST3 27

●Pin Function

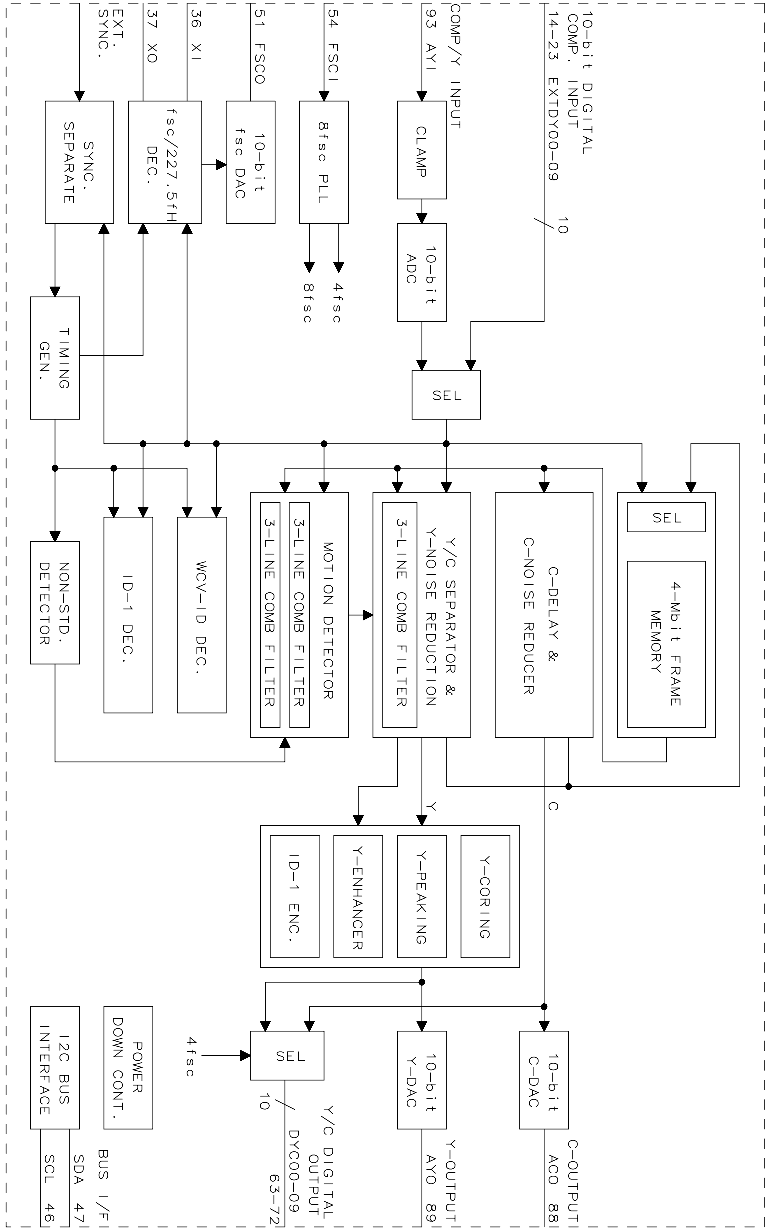
Pin No.	Pin Name	I/O	Pin Function
1	TEST0	O	Sound data output CH2
2	TEST1	O	Sound data output CH1
3	SDO0	O	Sound data output CH0
4	SEL1	I	I2C(="L"),serial(="H") setup
5	SCL/SCK	I	I2C clock / serial clock
6	SDA/SDOUT	I/O	I2C I/O / serial out
7	AD1/SDIN	I	I2C address / serial in
8	AD2/SSX	I	I2C address / serial enable
9	VDDO	—	Power supply for oscillator (+2.5V)
10	XI	I	Clock input terminal
11	XO	O	Output for VCO connection
12	VSSO	—	Oscillator power supply GND
13	RESETX	I	Reset
14	VDDC	—	Internal power supply +2.5V
15	VSSC	—	Internal power supply GND
16	TEST2	I/O	When using it, it connects with open.
17	VDDC	—	Internal power supply +2.5V
18	VDDC	—	Internal power supply +2.5V
19	VSSC	—	Internal power supply GND
20	VSSC	—	Internal power supply GND
21	VDDR	—	Power supply for I/O (+2.5V)
22	VDDR	—	Power supply for I/O (+2.5V)
23	VSSR	—	I/O ground
24	VSSR	—	I/O ground
25	SDI0	I	Sound data input 0
26	SDI1	I	Sound data input 1
27	TEST3	I	When using it, it connects with GND.
28	LRI	I	LR clock input
29	BCKI	I	Bit clock input
30	MCK	O	A/D, D/A clock output
31	BCKO	O	Bit clock output
32	LRO	O	LR clock output

69-2

■VHIPD64084+-1Q(ASSY:IC7001)

3-dimensional Y/C separation LSI with a built-in 4 M bit memory

●Block Diagram


10-bit DIGITAL
COMP. INPUT
14-23 EXTDY00-09
10
COMP/Y INPUT
93 AYI
CLAMP
10-bit
ADC
SEL
54 FSCI
8fsc PLL
4fsc
8fsc
51 FSCO
10-bit
fsc DAC
36 XI
37 XO
fsc/227.5fH
DEC.
EXT.
SYNC.
SYNC.
SEPARATE
TIMING
GEN.
SEL
4-Mbit FRAME
MEMORY
C-DELAY &
C-NOISE REDUCER
Y/C SEPARATOR &
Y-NOISE REDUCTION
3-LINE COMB FILTER
MOTION DETECTOR
3-LINE COMB FILTER
3-LINE COMB FILTER
WCV-ID DEC.
ID-1 DEC.
NON-STD.
DETECTOR
C
Y
Y-CORING
Y-PEAKING
Y-ENHANCER
ID-1 ENC.
10-bit
C-DAC
C-OUTPUT
ACO 88
10-bit
Y-DAC
Y-OUTPUT
AYO 89
SEL
Y/C DIGITAL
OUTPUT
DYC00-09
63-72
10
4fsc
POWER
DOWN CONT.
BUS I/F
I2C BUS
INTERFACE
SDA 47
SCL 46

●Pin Function

Pin No.	Pin Name	I/O	Pin Function
1,33,48,75	DGND	—	Digital part GND (common to I/O part grounding)
39,62,100	DVDD	—	Digital part 2.5V power supply
4-12,28-30,32, 40-43,78-85,99	TEST01-TEST26		Test terminal (OPEN or GND connection)
13	EXTALTF	O	Extended 4fsc and an alternat-flag output terminal
14-23	EXTDYCO0- EXTDYCO9	I/O	Extended digital input-and-output terminal
24-25	DGNDRAM	—	DRAM part GND
26-27	DVDDRAM	—	DRAM part 2.5V power supply
31	DVDDIO	—	I/O part 3.3V power supply
34-35	AGND	—	OSC circuit part GND
36	XI	I	Standard clock input
37	XO	O	Standard clock reversal output
38	AVDD	—	OSC circuit part 2.5V power supply
44	RPLL	I	Test input terminal (GND connection)
45	SLA0	I	I2C-bus slave address selection input
46	SCL	I	I2C-bus clock input
47	SDA	I/O	I2C-bus clock output
49	AGND	—	I2C-bus data input-and-output terminal
50	AVDD	—	fsc DAC section 2.5V power supply
51	FSCO	O	fsc generator fsc output
52-53	AGND	—	8fsc PLL section grounding
54	FSCI	I	8fsc PLL fsc input
55	AVDD	—	8fsc PLL section 2.5V power supply
56	CKMD	I	CLK8 test mode selection (GND connection)
57	CLK8	I/O	CKMD = 0 : 8fsc clock output CKMD = 1 : 8fsc clock input
58	RSTB	I	System reset input (active low)
59	ST0	O	Internal signal monitor output
60	ST1	O	Internal signal monitor output
61	NSTD	O	Non-standard detection monitor output (L : A standard judging , H : Non-standard judging)
63-72	DYCO0-DYCO9	I/O	Digital input and output
73	ALTF	O	4fsc alternat-flag output
74	LINE	I	Compulsive line processing selection input (L : It is usually Processing H. : Processing between compulsive lines)
76	KIL	I	External killer input (L : It is usually Processing H. : Compulsive Y/C separation stop)
77	CSI	I	Composite sync. input (active low)
2	TESTIC1	I	The test terminal for IC sorting (GND connection)
3	TESTIC2	I	The test terminal for IC sorting (GND connection)
86	AVDD	—	Y-DAC and C-DAC part 2.5V power supply
87	CBPC	O	C-DAC phase compensation output
88	ACO	O	C-DAC analog C-signal output
89	AYO	O	C-DAC analog Y-signal output
90	CBPY	O	Y-DAC phase compensation output
91	AGND	—	Y-DAC and C-DAC part grounding
92	AGND	—	ADC section grounding
93	AYI	I	ADC analog composite signal input
94	VCLY	O	ADC clamp potential output
95	VRBY	O	ADC bottom standard voltage output
96	VRTY	O	ADC top standard voltage output
97	VCOMY	O	ADC standard voltage of the same phase
98	AVDD	—	ADC section 2.5V power supply

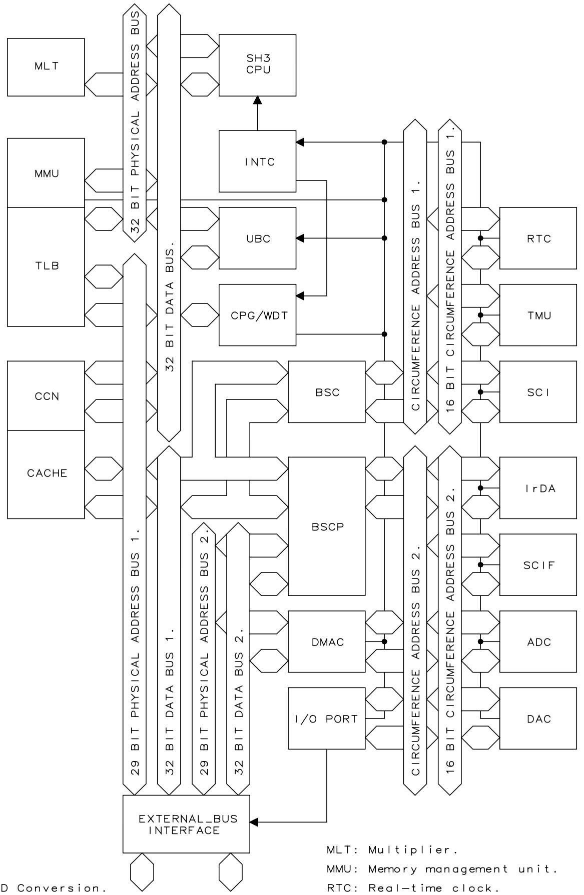
70-1

70-2

■RH-IX3289CEZZ(ASSY:IC7200)
Auto Wide IC
●Pin Function

Pin No.	Pin Name	I/O	Pin Function
1	GND	—	Ground
2	VCC	—	Power supply(3.3V)
3	CKIN	I	
4	CKOUT	O	
5	VCC	—	Power supply(3.3V)
6	GND	—	Ground
7	TEST	I	N.C
8	ASD0	O	AWDATA
9	TPI	I	AWCS_W
10	TCI	I	D_CLK
11	TDI	I	D_DATAOUT
12	SIREI	I	AWCS_R
13	VCC	—	Power supply(3.3V)
14	HER1	O	N.C
15	HER2	O	N.C
16	VMSET	I	N.C
17	VCKIN	I	Ground
18	VCKO	O	N.C
19	VDIN	I	VDIN
20	HD	I	HD
21	HOVBLK	O	N.C
22	GND	—	Ground
23	TESTOUT	O	N.C
24	GND	—	Ground
25	OUT0	O	N.C
26	OUT1	O	N.C
27	VCC	—	Power supply(3.3V)
28	OUT2	O	N.C
29	OUT3	O	N.C
30	OUT4	O	N.C
31	VTS	I	N.C
32	HTS	I	N.C
33	OUTSWI	I	N.C
34	ASDOCNTOUT	O	ASDOCNTOUT
35	DIA	I	N.C
36	MTESTI	I	N.C
37	ANSWIO	I	ANSWIO
38	ANSWOI	O	ANSWOI
39	GND	—	Ground
40	PRS	I	PRS
41	IPIN	I	N.C
42	VCC	—	Power supply(3.3V)
43	HIN	I	AT_HD
44	VIN	I	AT_VD

■RH-IX3270CEZZ (ASSY:IC10001)
32bit RISC Micro Processor
●Block Diagram


MLT
MMU
TLB
CCN
CACHE
32 BIT PHYSICAL ADDRESS BUS
32 BIT DATA BUS.
SH3 CPU
INTC
UBC
CPG/WDT
BSC
BSCP
DMAC
I/O PORT
CIRCUMFERENCE ADDRESS BUS 1.
16 BIT CIRCUMFERENCE ADDRESS BUS 1.
CIRCUMFERENCE ADDRESS BUS 2.
16 BIT CIRCUMFERENCE ADDRESS BUS 2.
RTC
TMU
SCI
IrDA
SCIF
ADC
DAC
29 BIT PHYSICAL ADDRESS BUS 1.
32 BIT DATA BUS 1.
29 BIT PHYSICAL ADDRESS BUS 2.
32 BIT DATA BUS 2.
EXTERNAL_BUS INTERFACE

ADC: A/D Conversion.
BSC: Bus state controller 1.
BSCP: Bus state controller 2.
CACHE: Cache memory.
CCN: Cache memory controller.
CPG/WDT: Clock generator/ Watch dog timer.
CPU: Central processing unit.
DAC: D/A Conversion.
DMAC: Direct memory access controller.
INTC: Interruption controller.
MLT: Multiplier.
MMU: Memory management unit.
RTC: Real-time clock.
SCI: Serial communication interface. (With a smart card interface.)
IrDA: Serial communication interface. (With a IrDA.)
SCIF: Serial communication interface. (With a FIFO.)
TLB: Address translation buffer.
TMU: Timer unit.
UBC: User break controller.

●Pin Function

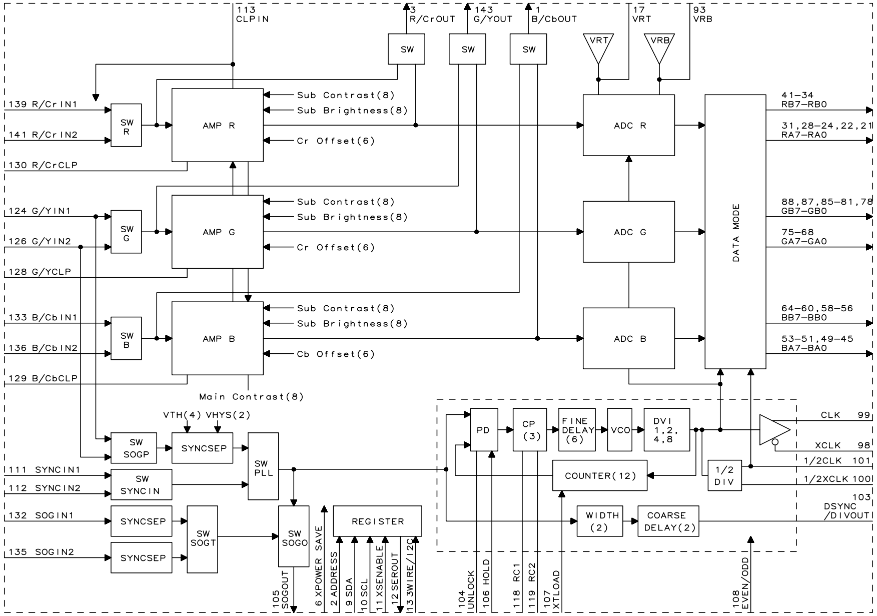
Pin No.	Pin Name	I/O	Pin Function
34,36-44, 46,48-52	D[15:0]	I/O	Data bus D[15:0]
23-26,28,30-32	D[23:16/PTA[7:0]	I/O	Data bus D[23:16]/I/O port A[7:0]
13-18,20,22	D[31:24/PTB[7:0]	I/O	Data bus D[31:24]/I/O port B[7:0]
86,84,82,78-72, 70-68-60,56-53	A[25:0]	O	Address bus A[15:0]
96	CS0	O	Chip select 0
98	CS2/PTK[0]	O/(I/O)	Chip select 2/I/O port K[0]
99	CS3/PTK[1]	O/(I/O)	Chip select 3/I/O port K[1]
100	CS4/PTK[2]	O/(I/O)	Chip select 4/I/O port K[2]
101	CS5/CE1E/PTK[3]	O/(I/O)	Chip select 5/CE1(area 5SPCMIA)/O port K[3]
102	CS6/CE1B	0	Chip select 6/CE1(area 6SPCMIA)
87	BS/PTK[4]	O/(I/O)	Bus cycle startup signal /I/O port K[4]
118	RAS3U/PTE[2]	O/(I/O)	"RAS(area 3DRAM,SDRAM upper 32MB address)/I/O port E[2}"
106	RAS3L/PTJ[0]	O/(I/O)	"RAS(area 3DRAM,SDRAM upper 32MB address)/I/O port J[0}"
119	RAS2U/PTE[1]	O/(I/O)	"RAS(area 2DRAM,SDRAM upper 32MB address)/I/O port E[1}"
107	RAS2L/PTJ[1]	O/(I/O)	"RAS(area 2DRAM,SDRAM upper 32MB address)/I/O portJE[1}"
108	CASLL/CAS/PTJ[2]	O/(I/O)	CAS(DRAM)/CAS(SDRAM)/I/O port J[2] for D7-D0.
110	CASLH/PTJ[3]	O/(I/O)	CAS(DRAM)/I/O port J[3] for D15-D18.
112	CASHL/PTJ[4]	O/(I/O)	CAS(DRAM)/I/O port J[4] for D23-D16.
113	CASHH/PTJ[5]	O/(I/O)	CAS(DRAM)/I/O port J[5] for D31-D24.
116	CAS2L/PTE[6]	O/(I/O)	CAS(area 2DRAM)/I/O port E[6] for D7-D0.
117	CAS2H/PTE[3]	O/(I/O)	CAS(area 2DRAM)/I/O port E[3] for D15-D8.
89	WE0/DQMLL	O	D7-D0 selection signal/DQM(SDRAM)
90	WE1/DQMLU/WE	O	D15-D8 selection signal/DQM(SDRAM)/PCMCIA WE
91	WE2/DQMUL/ ICIORD/PTK[6]	O/(I/O)	D23-D16 selection signal/DQM(SDRAM)/PCMCIA I/O port K[6]
92	WE3/DQMUU/ ICIOWR/PTK[7]	O/(I/O)	D31-D24 selection signal/DQM(SDRAM)/PCMCIA I/O write/I/O port K[7]
93	RD/WR	O	Read/write change signal
88	RD	O	Read strobe
105	CKE/PTK[5]	O/(I/O)	CK enable(Only for SDRAM)/I/O port K[5]
123	WAIT	I	Hardware weight demand.
11-8	IRL[3:0]/IRQ[3:0]/ PTH[3:0]	I	External interruption demand/I/OportH[3:0]
12	IRQ4/PTH[4]	I	External interruption demand/I/OportH[4]
7	NMI	I	Non maskable interruption demand.
160	IRQOUT	O	Interruption demand output
182	WAKEUP/PTD[3]	O/(I/O)	Interruption demand output at the time of standby mode/I/OportD[3]
159	TCLK/PTH[7]	I/O	Clock input output/I/OportH[7] for TMU/RTC.
191	DREQ0/PTD[4]	I	DMA demand 0/I/OportD[4]
114	DACK0/PTD[5]	O/(I/O)	DMA acknowledge 0/I/O port D[5]
192	DREQ1/PTD[6]	I	DMA demand 0/I/O port D[6]
115	DACK1/PTD[7]	O/(I/O)	DMA acknowledge 1/I/O port D[7]
189	DRAK0/PTD[1]	O/(I/O)	DMA acknowledge 0/I/O port D[1]
190	DRAK1/PTD[0]	O/(I/O)	DMA acknowledge 0/I/O port D[0]
171	RxD0/SCPT[0]	I	Input port [0] for receiving data 0/SCI.
164	TxD0/SCPT[0]	O	Output port [0] for transmission data 0/SCI.
165	SCK0/SCPT[1]	I/O	I/O port [1] for serial clock 0/SCI.
172	RxD1/SCPT[2]	I	Input port [2] for receiving data 1/SCI.
166	TxD1/SCPT[2]	O	Output port [2] for transmission data 1/SCI.
167	SCK1/SCPT[1]	I/O	I/O port [3] for serial clock 1/SCI.
174	RxD2/SCPT[4]	I	Input port [4] for receiving data 2/SCI.
168	TxD2/SCPT[4]	O	Output port [4] for transmission data 2/SCI.
169	SCK2/SCPT[5]	I/O	I/O port [5] for serial clock 2/SCI.
170	RTS2/SCPT[6]	O/(I/O)	Requests to Send 2/for SCI/I/O port [6]
176	CTS2/IRQ5/SCPT[7]	I	Transmitting clearance 2/an external interruption demand/Input port [7] for SCI.
104	CE2B/PTE[5]	O/(I/O)	Chip enable 2/I/O port E[5] for Pc card 0.
126	IOIS16/PTG[7]	I	Write protection/Input port G[7]
103	CE2A/PTE[[4]	O/(I/O)	Chip enable 2/I/O port E[4] for PC card 1.
146,149	CAP[1:2]	—	External capacity terminal for PLL [1:2]
156	EXTAL	I	External clock/Crystal oscillation element terminal
155	XTAL	O	Crystal oscillation element terminal
162	CKIO	I/O	System clock input and output
5	EXTAL2	I	Crystal oscillation element terminal for RTC.
4	XTAL	O	Crystal oscillation element terminal for RTC.
193	RESETP	I	Power-on reset demand
124	RESETM	I	Manual reset demand

Pin No.	Pin Name	I/O	Pin Function
122	BREQ	I	Bus demand
121	BACK	O	Bus acknowledge.
2,1,144	MD[2:0]	I	Clock mode setup
196,195	MD[4:3]	I	Area 0 bus wide setup.
197	MD5	I	Endian setup
194	CA	O	Chip active.
158,157	STATUS[1:0]/ PTJ[7:6]	I/O	Processor status[1:0]/I/O port J[7:6]
204-199	AN[5:0]/PTL[6:7]	I	A/D conversion input[5:0]/input port L[5:0]
206,207	AN[6:7]/DA[1:0]/ PTL[6:7]	I/O	A/D conversion input[6:7]/D/A conversion output[1:0]/input port L[6:7]
177-180,185-188	PTC[7:0]/PINT[7:0]	I/O	I/O port C[7:0]/port Interruption [7:0]
184	PTD[2]/RESETOUT	I/O	I/O port D[2]/reset output
120,94	PTE[0]/PTE[7]	I/O	I/O port E[0]/I/O port E[7]
136-143	PTF[7:0]/PINT[15:8]	I	I/O port F[7:0]/port Interruption [15:8]
127-131,135	PTG[6:0]	I	I/O port G[6:0]
125	PTH[5]/ADTRG	I	I/O port H[5]/Analog trigger
151	PTH[6]	I	I/O port H[6]
21,29,35,47,59, 71,81,85,97,111, 134,154,163,175, 183	Vcc	—	power supply (3.3V)
145,150	Vcc(PLL)	—	power supply (3.3V)
3	Vcc(RTC)	—	power supply (3.3V)
205	Avcc	—	Analog power supply (3.3V)
19,27,33,45,57, 69,79,83,95,109, 132,152,153,161, 173,181	Vss	—	power supply (0V)
147,148	Vss(PLL)	—	power supply (0V)
6	Vss(TRC)	—	power supply (0V)
198,208	Avss	—	Analog power supply (0V)

■9DK001-15079(CXA3506R) (ASSY:IC10004)

3ch 8bit 120MSPS A/D CONVERTER AMP. PLL

- Block Diagram


113 CLPIN
3 R/CrOUT
143 G/YOUT
1 B/CbOUT
17 VRT
93 VRB
VRT
VRB
SW
SW
SW
139 R/CrIN1
141 R/CrIN2
130 R/CrCLP
124 G/YIN1
126 G/YIN2
128 G/YCLP
133 B/CbIN1
136 B/CbIN2
129 B/CbCLP
SW R
SW G
SW B
AMP R
AMP G
AMP B
Sub Contrast(8)
Sub Brightness(8)
Cr Offset(6)
Cb Offset(6)
Main Contrast(8)
ADC R
ADC G
ADC B
DATA MODE
41–34 RB7–RB0
31,28–24,22,21 RA7–RA0
88,87,85–81,78 GB7–GB0
75–68 GA7–GA0
64–60,58–56 BB7–BB0
53–51,49–45 BA7–BA0
VTH(4) VHYS(2)
SW SOGP
SYNCSEP
SW PLL
SW SYNCIN
111 SYNCIN1
112 SYNCIN2
132 SOGIN1
135 SOGIN2
SYNCSEP
SYNCSEP
SW SOGT
SW SOGO
REGISTER
PD
CP (3)
FINE DELAY (6)
VCO
DVI 1,2,4,8
COUNTER(12)
1/2 DIV
WIDTH (2)
COARSE DELAY(2)
CLK 99
XCLK 98
1/2CLK 101
1/2XCLK 100
103 DSYNC /DIVOUT
105 SOGOUT
6 XPOWER SAVE
2 ADDRESS
9 SDA
10 SCL
11 XSENABLE
12 SEROUT
13 3WIRE/I2C
104 UNLOCK
106 HOLD
118 RC1
119 RC2
107 XTLOAD
108 EVEN/ODD

- Pin Function

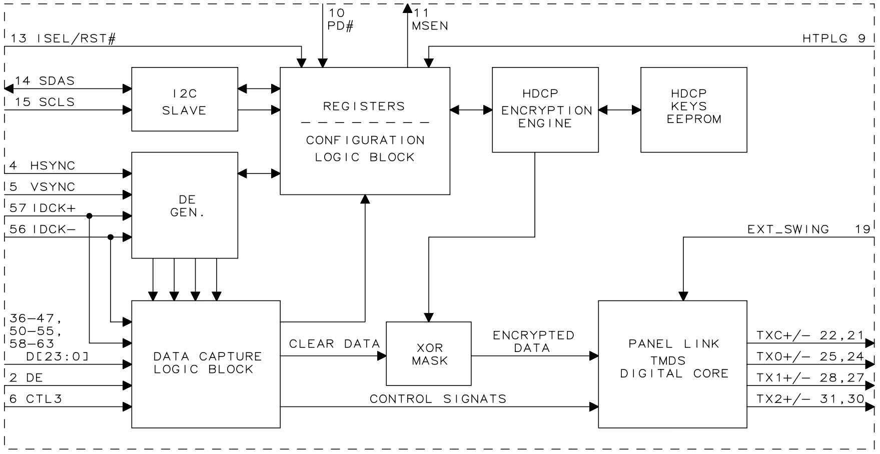
Pin No.	Pin Name	I/O	Pin Function
1	B/CbOUT	O	Amplifier output signal monitor
2	ADDRESS	I	I2C slave address setup
3	R/CrOUT	O	Amplifier output signal monitor
4	NC	—	Not connected
5	NC	—	Not connected
6	XPOWERSAVE	I	Power save setup
7	DGNDREG	—	GND for registers
8	DVCCREG	—	Power supply for registers
9	SDA	I	Control register data input
10	SCL	I	Control register clock signal input
11	XSENABLE	I	Enable signal input for 3 line control registers
12	SEROUT	O	3 line control register data read-out
13	3WIRE/I2C	I	Selection in I2C-bus mode and 3 line bus mode
15	AVCCADREF	—	Power supply for reference voltage of ADC
16,94	AVCCAD3	—	Analog power supply of ADC
17	VRT	O	The top reference voltage output of ADC
18,92	DVCCAD3	—	Digital power supply of ADC
19,32,42,54, 65,76,90	DVCCADTTL	—	Power supply for a TTL output of ADC
20,33,44,55, 67,77,89	DGNDADTTL	—	GND for a TTL output of ADC
21,22,24-28,31	RA0~RA7	O	R channel port A side data output
23,30,43,50, 59,66,79,86	DGNDAD3	—	Digital GND of ADC
29,80	AGNDAD3	—	Analog GND of ADC
34-41	RB0~RB7	O	R channel port B side data output

Pin No.	Pin Name	I/O	Pin Function
45-49,51-53	BA0~BA7	O	B channel port A side data output
56-58,60-64	BB0~BB7	O	B channel port B side data output
68-75	GA0~GA7	O	G channel port A side data output
78,81-85,87,88	GB0~GB7	O	G channel port B side data output
91	DVCCAD	—	Digital power supply of ADC
93	VRB	O	Bottom reference voltage output of ADC
95	AGNDADREF	—	GND for reference voltage of ADC
96	DVCCPLLTTL	—	Power supply for a TTL output of PLL
97	DGNDPLLTTL	—	Power supply for a TTL output of PLL
98	XCLKCLK	O	CLK reversal output
99	1/2XCLK	O	CLK output
100	1/2CLK	O	1/2 CLK reversal output
101	DSYNC/	O	1/2 CLK output
103	DIVOUT	O	DSYNC signal output /DIVOUT signal output.
104	UNLOCK	O	UNLOCK signal output terminal.
105	SOGOUT	O	Sync signal output of a sync-on green signal.
106	HOLD	I	Input of the de-sable signal of phase comparison.
107	XTLOAD	I	Reset setup of a programmable counter.
108	EVEN/ODD	I	Sampling clock reversal pulse input of ADC.
109	XCLKIN	I	Negative clock input for a test.
110	CLKIN	I	Positive clock input for a test.
111	SYNCIN1	I	Sync signal input1
112	SYNCIN2	I	Sync signal input2
113	CLPIN	I	Clamp pulse input.
114	DVCCPLL	—	Digital power supply for PLL.
115	DGNDPLL	—	Digital GND for PLL.
116	AVCCVCO	—	Analog power supply for VCO of PLL.
117	AGNDVCO	—	Analog GND for VCO of PLL.
118	RC1	—	PLL loop filter external terminal-1.
119	RC2	—	PLL loop filter external terminal-2.
120	AVCCIR	—	Analog power supply for IREF
121	IREF	I	Current setup
123	AGNDIR	—	Analog GND for IREF
124	G/YIN1	I	G/Y signal input-1
125	AVCCAMPG	—	Power supply for G/Y amplifier parts
126	G/YIN2	I	G/Y signal input-2
127	AGNDAMPG	—	GND for G/Y amplifier parts
128	G/YCLP	—	Clamp capacitor connection terminal for brightness
129	B/CbCLP	—	Clamp capacitor connection terminal for brightness
130	R/CrCLP	—	Clamp capacitor connection terminal for brightness
132	SOGIN1	I	sync-on green signal input-1.
133	B/CbIN1	I	B/Cb signal input-1
134	AVCCAMPB	—	Power supply for B/Cb amplifier parts
135	SOGIN2	I	sync-on green signal input-2.
136	B/CbIN2	I	B/Cb signal input-2
137	AGNDAMPB	—	GND for B/Cb amplifier parts
139	R/CrIN1	I	R/Cr signal input-1
140	AVCCAMPR	—	Power supply for R/Cr amplifier parts
141	R/CrIN2	I	R/Cr signal input-2
142	AGNDAMPR	—	GND for R/Cr amplifier parts
143	G/YOUT	O	Amplifier output signal monitor
144	DACTEST	O	Test output terminal of DAC for amplifier part control registers
14,102,122, 131,138	OUTDPGND	—	GND

■VHISII170BG-1Q(ASSY:IC10413)

SiI170 Panel Link Transmitter

●Block Diagram



●Pin Function

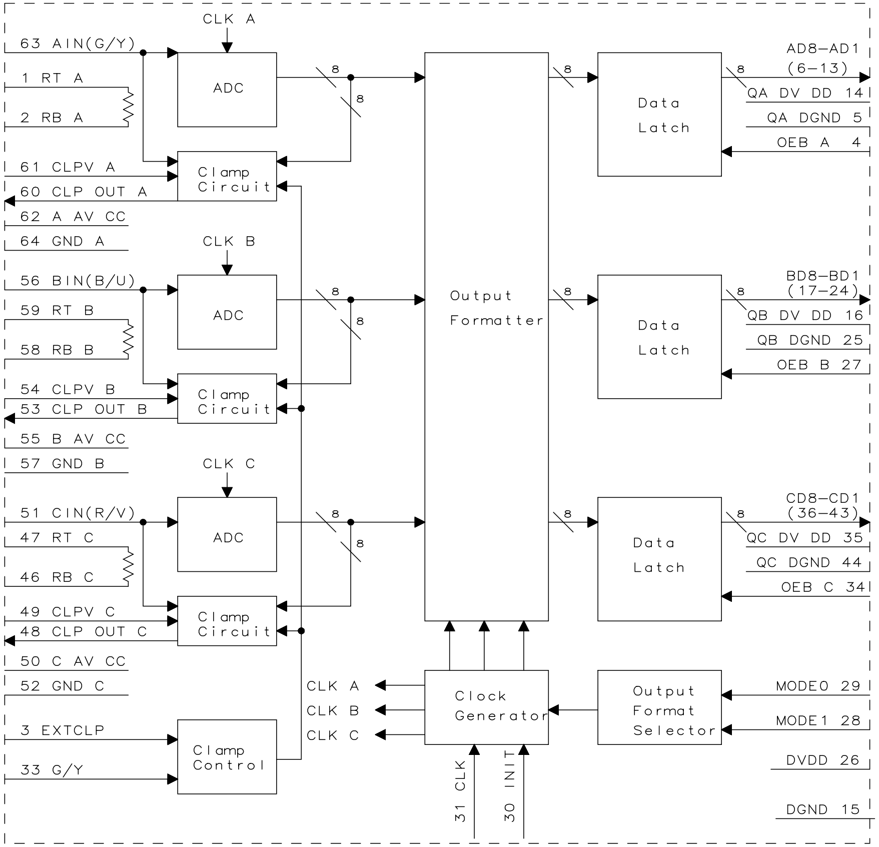
Pin No.	Pin Name	I/O	Pin Function
36,37,38,39,40, 41,42,43,44,45, 46,47	D23-D12	I	Upper 12 bits of 24-bit pixel bus. Mode controlled by configuration register bit: When BSEL = HIGH, this bus inputs the top half of the 24-bit pixel bus. When BSEL = LOW, these bits are not used to input pixel data. In this mode, the state of D[23:16] is input to the I2C register CFG. This allows an extra 8-bits of user configuration data to be read by the graphics controller through the I2C interface (see I2C register definition).
50,51,52,53,54, 55,58,59,60,61, 62,63	D11-D0	I	Bottom half of 24-bit pixel bus / 12-bit pixel bus input. Mode controlled by configuration register bit: When BSEL = HIGH, this bus inputs the bottom half of the 24-bit pixel bus. When BSEL = LOW, this bus inputs _ a pixel (12-bits) at every latch edge (both falling and/or rising) of the clock.
57	IDCK+	I	Input Data Clock +. This clock is used for all input modes.
56	IDCK-	I	Input Data Clock -. This clock is only used in 12-bit mode when dual edge clocking is turned off (DSEL = LOW). It is used to provide the ODD latching edges for multi-phased clocking. If (BSEL = HIGH) or (DSEL = HIGH) this pin is unused and should be tied to GND.
2	DE	I	Data enable. This signal is high when input pixel data is valid to the transmitter and low otherwise.
4	HSYNC	I	Horizontal Sync input control signal.
5	VSYNC	I	Vertical Sync input control signal.
3	VREF	I	Must be tied to 3.3V.
10	PD#	I	Power Down (active LOW). A HIGH level (3.3V) indicates normal operation and a LOW level (GND) indicates power down mode. During power down mode, the I2C pins are active, but digital input, output buffers and the PanelLink Digital core are powered down. This pin should be tied LOW to ensure the chip is powered off when RESET is asserted. When PD# is asserted, the differential output pins for TMDS are tri-stated until the PD# register bit is asserted through I2C.
25	TX0+		TMDS Low Voltage Differential Signal output data pairs. These pins are tri-stated when PD# is asserted.
24	TX0-		
28	TX1+		
27	TX1-		
31	TX2+		
30	TX2-		
22	TXC+		TMDS Low Voltage Differential Signal output clock pairs.
21	TXC-		These pins are tri-stated when PD# is asserted.

Pin No.	Pin Name	I/O	Pin Function
19	EXT_SWING		Voltage Swing Adjust. A resistor should tie this pin to AVCC. This resistor determines the amplitude of the voltage swing. A 510 ohm resistor is recommended for remote display applications. For notebook computers, 680 ohm is recommended.
11	MSEN	O	Monitor Sense. This pin is an open collector output. The output is programmable through the I2C interface (see I2C register definitions).
			An external 5k pull-up resistor is required on this pin.
34	RESERVED	I	This pin is reserved for Silicon Image use only and should be tied LOW for normal operation.
7,8	NC	—	These pins are not electrically connected inside the package.
13	ISEL/RST#	I	I2C Interface Select. If HIGH, then the I2C interface is active.
15	SCLS	I	DDC I2C Clock. This pin is a slave I2C clock line which interfaces to the DDC bus for communicating with a host side master. HDCP KSV, An, and Ri values are exchanged over this DDC bus during authentication. The clock may be run up to 400kHz. This pin is not 5V-tolerant; it should be connected through a level shifter to the DDC clock line SCL. This is an open-collector pin.
14	SDAS	I/O	DDC I2C Data. This pin is a slave I2C data line for communicating with a host side master. HDCP KSV, An and Ri values are exchanged over this DDC bus during authentication. Data may be clocked in at up to 400kHz. This pin is not 5V-tolerant; it should be connected through a level shifter to the DDC clock line SDA. This is an open-collector bi-directional pin, and is not made high-impedance when PD#=LOW.
6	CTL3	I	External CTL3. This pin is used to bring in the CTL3 signal for HDCP when the HDCP encryption is performed before the video enters the SiI 170. To enable this input, the CTL3 bit must be programmed in Reg[0x08]. If the CTL3 bit is cleared, then this input pin is ignored and may be left unconnected. This pin is a regular high swing (3.3V) input, containing a weak pull-down resistor so that if left unconnected it will default to LOW.
9	HTPLG	I	Monitor Charge Input. This pin is used to connect to the DVI Hot Plug pin to detect the presence of an attached monitor.
1,12,33	VCC	—	Digital VCC. Connect to 3.3V supply.
16,35,64	GND	—	Digital GND.
23,29	AVCC	—	Analog VCC. Connect to 3.3V supply.
20,26,32	AGND	—	Analog GND.
18	PVCC1	—	Primary PLL Analog VCC. Connect to regulated 3.3V supply.
49	PVCC2	—	Filter PLL Analog VCC. Connect to regulated 3.3V supply.
17	PGND1	—	PLL Analog GND.
48	PGND2	—	PLL Analog GND.

■9DK001-15149(TLV5734PAG)(ASSY:IC10310)

TRIPLE 8-BIT 30-MSPS ADCWITH HIGH-PRECISION CLAMP FOR YUV/RGB VIDEO

- Block Diagram


63 AIN(G/Y)
1 RT A
2 RB A
61 CLPV A
60 CLP OUT A
62 A AV CC
64 GND A
56 BIN(B/U)
59 RT B
58 RB B
54 CLPV B
53 CLP OUT B
55 B AV CC
57 GND B
51 CIN(R/V)
47 RT C
46 RB C
49 CLPV C
48 CLP OUT C
50 C AV CC
52 GND C
3 EXTCLP
33 G/Y
CLK A
CLK B
CLK C
ADC
Clamp Circuit
Clamp Control
8
Output Formatter
Clock Generator
CLK A
CLK B
CLK C
31 CLK
30 INIT
Data Latch
Output Format Selector
AD8–AD1 (6–13)
QA DV DD 14
QA DGND 5
OEB A 4
BD8–BD1 (17–24)
QB DV DD 16
QB DGND 25
OEB B 27
CD8–CD1 (36–43)
QC DV DD 35
QC DGND 44
OEB C 34
MODE0 29
MODE1 28
DVDD 26
DGND 15

- Pin Function

Pin No.	Pin Name	I/O	Pin Function
1	RT A	I	Top reference voltage level for ADC A (nominal RT A _ RB A = 1 V for video signals)
2	RB A	I	Bottom reference voltage level for ADC A
3	EXTCLP	I	External clamp pulse input (active high)
4	OEB A	I	Output enable of ADC A (active low)
5	QA DGND	—	Digital ground for output driver of ADC A
6-13	AD8-AD1	O	Data output of ADC A (MSB:AD8, LSB:AD1) (format 1, format 2, format 3)
14	QA DVDD	—	Digital supply (3.3 V) for output driver of ADC A. DVDD, QA DVDD, QB DVDD, and QC DVDD are tied together internally.
15	DGND	—	Digital ground for all logic
16	QB DVDD	—	Digital supply (3.3 V) for output driver of ADC B. DV DD , QA DV DD , QB DV DD and QC DV DD are tied together internally.
17-24	BD8-BD1	O	Data output of ADC B (MSB:BD8, LSB:BD1) (format 2) Data output of ADC B, C (format 1, format 3)
25	QB DGND	—	Digital ground for output driver of ADC B
26	DVDD	—	Digital supply (3.3 V) for all logic. DVDD, QA DVDD, QB DVDD, and QC DVDD are tied together internally.
27	OEB B	I	Output enable of ADC B (active low)
28,29	MODE1,0	I	Output format mode selector.
30	INIT	I	Output initialized. The output data is synchronized with the first falling edge of CLK after INIT changes from low to high (see Figure 1). INIT is a control terminal that allows the external system to initialize the TLV5734 data conversion cycle.
31	CLK	I	Clock input. The clock frequency is four times the frequency subcarrier (fsc) for most video systems
32	NC	—	NC should be tied low when using this device.
33	G/Y	I	Video input mode selector, low for RGB, high for YUV
34	OEB C	I	Output enable of ADC C (active low)
35	QC DVDD	—	Digital supply (3.3 V) for output driver of ADC C. DVDD, QA DVDD, QB DVDD, and QC DVDD are tied together internally.
36-43	CD8-CD1	I	Data output of ADC C (MSB:CD8, LSB:CD1) (format 2) When MODE1 = L, MODE0 = L, CD8 outputs MSB flag of BD8_BD5 (format 1) When MODE1 = L, MODE0 = L, CD7 outputs LSB flag of BD8_BD5 (format 1) When MODE1 = H, MODE0 = L, CD8 outputs B channel flag of BD8_BD1 (format 3) When MODE1 = H, MODE0 = L, CD7 outputs B channel flag of BD8_BD1 (CD8_CD1) (format 3)
44	QC DGND	—	Digital ground for output driver of ADC C
45	AGND	—	Substrate ground
46	RB C	I	Bottom reference voltage level for ADC C
47	RT C	I	Top reference voltage level for ADC C (nominal RT C _ RB C = 1 V)
48	CLP OUT C	O	Clamp bias current of ADC C. A resistor-capacitor network sets the clamp settling time.
49	CLPV C	I	Clamp level of ADC C
50	C AVCC	—	Analog supply (3.3 V) for ADC C
51	CIN	I	Analog input of ADC C. Used for R/V
52	GND C	—	Analog ground of ADC C
53	CLP OUT B	O	Clamp bias current of ADC B. A resistor-capacitor network sets the clamp settling time.
54	CLPVB	I	Clamp level of ADC B
55	B AVCC	—	Analog supply (3.3 V) for ADC B
56	BIN	I	Analog input of ADC B. Uses for B/U
57	GND B	—	Analog ground of ADC B
58	RB B	I	Bottom reference voltage level for ADC B
59	RT B	I	Top reference voltage level for ADC B (nominal RT B _ RB B = 1 V)
60	CLP OUT A	O	Clamp bias current of ADC A. A resistor-capacitor network sets the clamp settling time.
61	CLPVA	I	Clamp level of ADC A
62	A AVCC	—	Analog supply (3.3 V) for ADC A
63	AIN	I	Analog input of ADC A. Used for G/Y
64	GND A	—	Analog ground of ADC A

MAJOR IC INFORMATION (Display)

- IC2206 (SII861)
  This is a DVI receiver.
  The TMDS differential signal that is transmitted from the system cable is processed here to produce 24-bit RGB signals, H and V sync signals, and DE signal in the odd and even numbers.

- IC4701 (IXA332WJ)
  This is a QS driver for even.
  Input signals of the DVI receiver are QS (Quick Shoot)-driven according to the temperature parameter from the monitor microprocessor.

- IC4901 (IXA332WJ)
  This is a QS driver for odd.
  Input signals of the DVI receiver are QS (Quick Shoot)-driven according to the temperature parameter from the monitor microprocessor. The H and V sync as well as DE signals coming from the DVI receiver are also QS-driven and then be put out.

- IC4501 (IXA725WJ)
  This is an LCD controller.
  With the 24-bit RGB signals, H and V sync signals and DE signal, all coming from the QS drivers (odd and even), the video data is sorted in the odd and even numbers for the right and left of the LCD panels and the LCD panels are driven. This controller is intended to generate control signals for those tasks as well as the brightness.

- IC4101 (IXA706WJ)
  This TFT LCD gradation reference power IC has 18 gradation output buffer amplifier circuits, CMOS buffer amplifier, and reference voltage source incorporated.

- IC2004 (IXA201WJ)
  This monitor microprocessor has the following functions: monitor OSD control, thermistor-based panel temperature detection, QS driver temperature parameter setting, LCD controller timing, brightness data setting, monitor power control, power lines monitoring, remote control decoding, and OPC control.

- IC3803 (TA8184F)
  This IC is designed to control the volume, balance, treble and bass.
  The DC voltage is regulated for all these controls.

■IC4701(RH-IXA332WJZZQ)
QS DRIVE(EVEN)IC
●Pin Function

Pin No.	Pin Name	I/O	Pin Function
1	GND		GND
2	TMS		BOUNDARY SCAN TEST PORT
3	HSIN		HORIZONTAL SYNC SIGNAL INPUT
4	VSIN		VERTICAL SYNC SIGNAL INPUT
5	DEIN		DE (DATA ENABLE) INPUT
6	REMS7		EVEN R7 INPUT
7	REMS6		EVEN R6 INPUT
8	REMS5		EVEN R5 INPUT
9	REMS4		EVEN R4 INPUT
10	REMS3		EVEN R3 INPUT
11	GND		GND
12	VCCO		3.3 V INPUT
13	VCCINT		2.5 V INPUT
14	REMS2		EVEN R2 INPUT
15	REMS1		EVEN R1 INPUT
16	REMS0		EVEN R0 INPUT
17	GEMS7		EVEN G7 INPUT
18	GEMS6		EVEN G6 INPUT
19	GND		GND
20	GEMS5		EVEN G5 INPUT
21	GEMS4		EVEN G4 INPUT
22	GEMS3		EVEN G3 INPUT
23	GEMS2		EVEN G2 INPUT
24	GEMS1		EVEN G1 INPUT
25	GND		GND
26	VCCO		3.3 V INPUT
27	GEMS0		EVEN G0 INPUT
28	VCCINT		2.5 V INPUT
29	BEMS7		EVEN B7 INPUT
30	BEMS6		EVEN B6 INPUT
31	BEMS5		EVEN B5 INPUT
32	GND		GND
33	BEMS4		EVEN B4 INPUT
34	BEMS3		EVEN B3 INPUT
35	BEMS2		EVEN B2 INPUT
36	BEMS1		EVEN B1 INPUT
37	BEMS0		EVEN B0 INPUT
38	VCCINT		2.5 V INPUT
39	VCCO		3.3 V INPUT
40	GND		GND
41	NC		RESERVED
43	NC		RESERVED
44	NC		RESERVED
45	NC		RESERVED
46	NC		RESERVED
47	NC		RESERVED
48	NC		RESERVED
49	NC		RESERVED
50	M1		MODE PIN INPUT 1 FOR CONFIG
51	GND		GND
52	M0		MODE PIN INPUT 0 FOR CONFIG
53	VCCO		3.3 V INPUT
54	M2		MODE PIN INPUT 2 FOR CONFIG
55	NC		RESERVED
56	NC		RESERVED
57	MP_DA		3-WIRE SERIAL DATA INPUT
58	MP_CK		3-WIRE SERIAL CLOCK INPUT
59	MP_CS		3-WIRE SERIAL CHIP SELECTION INPUT
60	DDC_RST		3-WIRE SERIAL RESET INPUT
61	DQ23		DATA BUS D23 INPUT/OUTPUT FOR SDRAM
62	DQ22		DATA BUS D22 INPUT/OUTPUT FOR SDRAM
63	DQ21		DATA BUS D21 INPUT/OUTPUT FOR SDRAM
64	GND		GND
65	VCCO		3.3 V INPUT
66	VCCINT		2.5 V INPUT
67	DQ20		DATA BUS D20 INPUT/OUTPUT FOR SDRAM
68	DQ19		DATA BUS D19 INPUT/OUTPUT FOR SDRAM
69	DQ18		DATA BUS D18 INPUT/OUTPUT FOR SDRAM
70	DQ17		DATA BUS D17 INPUT/OUTPUT FOR SDRAM
71	DQ16		DATA BUS D16 INPUT/OUTPUT FOR SDRAM
72	GND		GND
73	DQM2		MASK OUTPUT 2 (DQ16 TO DQ23)
74	A2		ADDRESS BUS A2 OUTPUT FOR SDRAM
75	A1		ADDRESS BUS A1 OUTPUT FOR SDRAM
76	VCCINT		2.5 V INPUT
77	CLK(GCK1)		3-WIRE SERIAL CLOCK INPUT
78	VCCO		3.3 V INPUT
79	GND		GND
80	GCK0		3-WIRE SERIAL CHIP SELECTION INPUT
81	A0		ADDRESS BUS A0 OUTPUT FOR SDRAM
82	A10		ADDRESS BUS A10 OUTPUT FOR SDRAM
83	BA1		BANK ADDRESS OUTPUT 1
84	BA0		BANK ADDRESS OUTPUT 0
85	GND		GND
86	CS#		CHIP SELECTION INPUT
87	RAS#		COMMAND INPUT (RAS#)
88	CAS#		COMMAND INPUT (CAS#)
89	WE#		COMMAND INPUT (WE#)
90	NC		RESERVED
91	VCCINT		2.5 V INPUT
92	VCCO		3.3 V INPUT
93	GND		GND
94	DQM0		MASK OUTPUT 0 (DQ0 TO DQ7)
95	DQ7		DATA BUS D7 INPUT/OUTPUT FOR SDRAM
96	DQ6		DATA BUS D6 INPUT/OUTPUT FOR SDRAM
97	DQ5		DATA BUS D5 INPUT/OUTPUT FOR SDRAM
98	DQ4		DATA BUS D4 INPUT/OUTPUT FOR SDRAM
99	DQ3		DATA BUS D3 INPUT/OUTPUT FOR SDRAM
100	DQ2		DATA BUS D2 INPUT/OUTPUT FOR SDRAM
101	DQ1		DATA BUS D1 INPUT/OUTPUT FOR SDRAM
102	DQ0		DATA BUS D0 INPUT/OUTPUT FOR SDRAM
103	GND		GND
104	DONE		CONFIG COMPLETION INPUT/OUTPUT
105	VCCO		3.3 V INPUT
106	PROGRAM		CONFIG CONTROL SIGNAL INPUT
107	INIT		RESET INPUT/OUTPUT FOR CONFIG
108	NC		RESERVED
109	NC		RESERVED
110	NC		RESERVED
111	NC		RESERVED
112	NC		RESERVED
113	NC		RESERVED
114	NC		RESERVED
115	NC		RESERVED
116	GND		GND
117	VCCO		3.3 V INPUT
118	VCCINT		2.5 V INPUT
119	NC		RESERVED
120	RE7		EVEN R7 OUTPUT
121	RE6		EVEN R6 OUTPUT
122	RE5		EVEN R5 OUTPUT
123	RE4		EVEN R4 OUTPUT
124	GND		GND
125	RE3		EVEN R3 OUTPUT
126	RE2		EVEN R2 OUTPUT
127	RE1		EVEN R1 OUTPUT
128	VCCINT		2.5 V INPUT
129	RE0		EVEN R0 OUTPUT
130	VCCO		3.3 V INPUT
131	GND		GND
132	GE7		EVEN G7 OUTPUT
133	GE6		EVEN G6 OUTPUT
134	GE5		EVEN G5 OUTPUT
135	GE4		EVEN G4 OUTPUT
136	GE3		EVEN G3 OUTPUT
137	GND		GND

Pin No.	Pin Name	I/O	Pin Function
138	GE2		EVEN G2 OUTPUT
139	GE1		EVEN G1 OUTPUT
140	GE0		EVEN G0 OUTPUT
141	NC		RESERVED
142	BE7		EVEN B7 OUTPUT
143	VCCINT		2.5 V INPUT
144	VCCO		3.3 V INPUT
145	GND		GND
146	BE6		EVEN B6 OUTPUT
147	BE5		EVEN B5 OUTPUT
148	BE4		EVEN B4 OUTPUT
149	BE3		EVEN B3 OUTPUT
150	BE2		EVEN B2 OUTPUT
151	BE1		EVEN B1 OUTPUT
152	BE0		EVEN B0 OUTPUT
153	DIN		DATA INPUT FOR CONFIG
154	DOUT		DATA OUTPUT FOR CONFIG
155	CCLK		CLOCK OUTPUT FOR CONFIG
156	VCCO		3.3 V INPUT
157	TDO		BOUNDARY SCAN TEST PORT
158	GND		GND
159	TDI		BOUNDARY SCAN TEST PORT
160	DQ15		DATA BUS D15 INPUT/OUTPUT FOR SDRAM
161	DQ14		DATA BUS D14 INPUT/OUTPUT FOR SDRAM
162	DQ13		DATA BUS D13 INPUT/OUTPUT FOR SDRAM
163	DQ12		DATA BUS D12 INPUT/OUTPUT FOR SDRAM
164	DQ11		DATA BUS D11 INPUT/OUTPUT FOR SDRAM
165	DQ10		DATA BUS D10 INPUT/OUTPUT FOR SDRAM
166	DQ9		DATA BUS D9 INPUT/OUTPUT FOR SDRAM
167	DQ8		DATA BUS D8 INPUT/OUTPUT FOR SDRAM
168	DQM1		MASK OUTPUT 1 (DQ8 TO DQ15)
169	GND		GND
170	VCCO		3.3 V INPUT
171	VCCINT		2.5 V INPUT
172	SDCLK		CLOCK OUTPUT FOR SDRAM
173	SDCLKE		CLOCK ENABLE OUTPUT FOR SDRAM
174	A9		ADDRESS BUS A9 OUTPUT FOR SDRAM
175	A8		ADDRESS BUS A8 OUTPUT FOR SDRAM
176	A7		ADDRESS BUS A7 OUTPUT FOR SDRAM
177	GND		GND
178	A6		ADDRESS BUS A6 OUTPUT FOR SDRAM
179	A5		ADDRESS BUS A5 OUTPUT FOR SDRAM
180	A4		ADDRESS BUS A4 OUTPUT FOR SDRAM
181	A3		ADDRESS BUS A3 OUTPUT FOR SDRAM
182	GCK2		EXTERNAL CLOCK INPUT
183	GND		GND
184	VCCO		3.3 V INPUT
185	CLK(GCK3)		MAIN CLOCK INPUT
186	VCCINT		2.5 V INPUT
187	DQM3		MASK OUTPUT (DQ24 TO DQ31)
188	DQ31		DATA BUS D31 INPUT/OUTPUT FOR SDRAM
189	DQ30		DATA BUS D30 INPUT/OUTPUT FOR SDRAM
190	GND		GND
191	DQ29		DATA BUS D29 INPUT/OUTPUT FOR SDRAM
192	DQ28		DATA BUS D28 INPUT/OUTPUT FOR SDRAM
193	DQ27		DATA BUS D27 INPUT/OUTPUT FOR SDRAM
194	DQ26		DATA BUS D26 INPUT/OUTPUT FOR SDRAM
195	DQ25		DATA BUS D25 INPUT/OUTPUT FOR SDRAM
196	VCCINT		2.5 V INPUT
197	VCCO		3.3 V INPUT
198	GND		GND
199	DQ24		DATA BUS D24 INPUT/OUTPUT FOR SDRAM
200	NC		RESERVED
201	NC		RESERVED
202	NC		RESERVED
203	NC		RESERVED
204	NC		RESERVED
205	NC		RESERVED
206	NC		RESERVED
207	TCK		BOUNDARY SCAN TEST PORT
208	VCCO		3.3 V INPUT

■IC4901(RH-IXA332WJZZQ)
QS DRIVE(ODD)IC
●Pin Function

Pin No.	Pin Name	I/O	Pin Function
1	GND		GND
2	TMS		BOUNDARY SCAN TEST PORT
3	NC		RESERVED
4	NC		RESERVED
5	NC		RESERVED
6	NC		RESERVED
7	NC		RESERVED
8	NC		RESERVED
9	NC		RESERVED
10	NC		RESERVED
11	GND		GND
12	VCCO		3.3 V INPUT
13	VCCINT		2.5 V INPUT
14	NC		RESERVED
15	ROMS7		ODD R7 INPUT
16	ROMS6		ODD R6 INPUT
17	ROMS5		ODD R5 INPUT
18	ROMS4		ODD R4 INPUT
19	GND		GND
20	ROMS3		ODD R3 INPUT
21	ROMS2		ODD R2 INPUT
22	ROMS1		ODD R1 INPUT
23	ROMS0		ODD R0 INPUT
24	GOMS7		ODD R7 INPUT
25	GND		GND
26	VCCO		3.3 V INPUT
27	GOMS6		ODD G6 INPUT
28	VCCINT		2.5 V INPUT
29	GOMS5		ODD G5 INPUT
30	GOMS4		ODD G4 INPUT
31	GOMS3		ODD G3 INPUT
32	GND		GND
33	GOMS2		ODD G2 INPUT
34	GOMS1		ODD G1 INPUT
35	GOMS0		ODD G0 INPUT
36	BOMS7		ODD B7 INPUT
37	BOMS6		ODD B6 INPUT
38	VCCINT		2.5 V INPUT
39	VCCO		3.3 V INPUT
40	GND		GND
41	BOMS5		ODD B5 INPUT
42	BOMS4		ODD B4 INPUT
43	BOMS3		ODD B3 INPUT
44	BOMS2		ODD B2 INPUT
45	BOMS1		ODD B1 INPUT
46	BOMS0		ODD B0 INPUT
47	HSIN		HORIZONTAL SYNC SIGNAL INPUT
48	VSIN		VERTICAL SYNC SIGNAL INPUT
49	DEIN		DE (DATA ENABLE) INPUT
50	M1		MODE PIN INPUT 1 FOR CONFIG
51	GND		GND
52	M0		MODE PIN INPUT 0 FOR CONFIG
53	VCCO		3.3 V INPUT
54	M2		MODE PIN INPUT 2 FOR CONFIG
55	NC		RESERVED
56	NC		RESERVED
57	MP_DA		3-WIRE SERIAL DATA INPUT
58	MP_CK		3-WIRE SERIAL CLOCK INPUT
59	MP_CS		3-WIRE SERIAL CHIP SELECTION INPUT
60	DDC_RST		3-WIRE SERIAL RESET INPUT
61	DQ23		DATA BUS D23 INPUT/OUTPUT FOR SDRAM
62	DQ22		DATA BUS D22 INPUT/OUTPUT FOR SDRAM
63	DQ21		DATA BUS D21 INPUT/OUTPUT FOR SDRAM
64	GND		GND
65	VCCO		3.3 V INPUT
66	VCCINT		2.5 V INPUT

Pin No.	Pin Name	I/O	Pin Function
67	DQ20		DATA BUS D20 INPUT/OUTPUT FOR SDRAM
68	DQ19		DATA BUS D19 INPUT/OUTPUT FOR SDRAM
69	DQ18		DATA BUS D18 INPUT/OUTPUT FOR SDRAM
70	DQ17		DATA BUS D17 INPUT/OUTPUT FOR SDRAM
71	DQ16		DATA BUS D16 INPUT/OUTPUT FOR SDRAM
72	GND		GND
73	DQM2		MASK OUTPUT 2 (DQ16 TO DQ23)
74	A2		ADDRESS BUS A2 OUTPUT FOR SDRAM
75	A1		ADDRESS BUS A1 OUTPUT FOR SDRAM
76	VCCINT		2.5 V INPUT
77	CLK(GCK1)		MAIN CLOCK INPUT
78	VCCO		3.3 V INPUT
79	GND		GND
80	GCK0		EXTERNAL CLOCK INPUT
81	A0		ADDRESS BUS A0 OUTPUT FOR SDRAM
82	A10		ADDRESS BUS A10 OUTPUT FOR SDRAM
83	BA1		BANK ADDRESS OUTPUT 1
84	BA0		BANK ADDRESS OUTPUT 0
85	GND		GND
86	CS#		CHIP SELECTION INPUT
87	RAS#		COMMAND INPUT (RAS#)
88	CAS#		COMMAND INPUT (CAS#)
89	WE#		COMMAND INPUT (CAS#)
90	NC		RESERVED
91	VCCINT		2.5 V INPUT
92	VCCO		3.3 V INPUT
93	GND		GND
94	DQM0		MASK OUTPUT 0 (DQ0 TO DQ7)
95	DQ7		DATA BUS D7 INPUT/OUTPUT FOR SDRAM
96	DQ6		DATA BUS D6 INPUT/OUTPUT FOR SDRAM
97	DQ5		DATA BUS D5 INPUT/OUTPUT FOR SDRAM
98	DQ4		DATA BUS D4 INPUT/OUTPUT FOR SDRAM
99	DQ3		DATA BUS D3 INPUT/OUTPUT FOR SDRAM
100	DQ2		DATA BUS D2 INPUT/OUTPUT FOR SDRAM
101	DQ1		DATA BUS D1 INPUT/OUTPUT FOR SDRAM
102	DQ0		DATA BUS D0 INPUT/OUTPUT FOR SDRAM
103	GND		GND
104	DONE		CONFIG COMPLETION INPUT/OUTPUT
105	VCCO		3.3 V INPUT
106	PROGRAM		CONFIG CONTROL SIGNAL INPUT
107	INIT		RESET INPUT/OUTPUT FOR CONFIG
108	BO0		ODD B0 OUTPUT
109	BO1		ODD B1 OUTPUT
110	BO2		ODD B2 OUTPUT
111	BO3		ODD B3 OUTPUT
112	BO4		ODD B4 OUTPUT
113	BO5		ODD B5 OUTPUT
114	BO6		ODD B6 OUTPUT
115	BO7		ODD B7 OUTPUT
116	GND		GND
117	VCCO		3.3 V INPUT
118	VCCINT		2.5 V INPUT
119	NC		RESERVED
120	GO0		ODD G0 OUTPUT
121	GO1		ODD G1 OUTPUT
122	GO2		ODD G2 OUTPUT
123	GO3		ODD G3 OUTPUT
124	GND		GND
125	GO4		ODD G4 OUTPUT
126	GO5		ODD G5 OUTPUT
127	GO6		ODD G6 OUTPUT
128	VCCINT		2.5 V INPUT
129	GO7		ODD G7 OUTPUT
130	VCCO		3.3 V INPUT
131	GND		GND
132	RO0		ODD R0 OUTPUT
133	RO1		ODD R1 OUTPUT
134	RO2		ODD R2 OUTPUT
135	RO3		ODD R3 OUTPUT
136	RO4		ODD R4 OUTPUT
137	GND		GND

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Pin No.	Pin Name	I/O	Pin Function
138	RO5		ODD R5 OUTPUT
139	RO6		ODD R6 OUTPUT
140	RO7		ODD R7 OUTPUT
141	NC		RESERVED
142	NC		RESERVED
143	VCCINT		2.5 V INPUT
144	VCCO		3.3 V INPUT
145	GND		GND
146	DEOUT		DATA ENABLE OUTPUT
147	HSOUT		HORIZONTAL SYNC SIGNAL OUTPUT
148	VSOUT		VERTICAL SYNC SIGNAL OUTPUT
149	NC		RESERVED
150	NC		RESERVED
151	NC		RESERVED
152	NC		RESERVED
153	DIN		DATA INPUT FOR CONFIG
154	DOUT		DATA OUTPUT FOR CONFIG
155	CCLK		CLOCK OUTPUT FOR CONFIG
156	VCCO		3.3 V INPUT
157	TDO		BOUNDARY SCAN TEST PORT
158	GND		GND
159	TDI		BOUNDARY SCAN TEST PORT
160	DQ15		DATA BUS D15 INPUT/OUTPUT FOR SDRAM
161	DQ14		DATA BUS D14 INPUT/OUTPUT FOR SDRAM
162	DQ13		DATA BUS D13 INPUT/OUTPUT FOR SDRAM
163	DQ12		DATA BUS D12 INPUT/OUTPUT FOR SDRAM
164	DQ11		DATA BUS D11 INPUT/OUTPUT FOR SDRAM
165	DQ10		DATA BUS D10 INPUT/OUTPUT FOR SDRAM
166	DQ9		DATA BUS D9 INPUT/OUTPUT FOR SDRAM
167	DQ8		DATA BUS D8 INPUT/OUTPUT FOR SDRAM
168	DQM1		MASK OUTPUT 1 (DQ8 TO DQ15)
169	GND		GND
170	VCCO		3.3 V INPUT
171	VCCINT		2.5 V INPUT
172	SDCLK		CLOCK OUTPUT FOR SDRAM
173	SDCLKE		CLOCK ENABLE OUTPUT FOR SDRAM
174	A9		ADDRESS BUS A9 OUTPUT FOR SDRAM
175	A8		ADDRESS BUS A8 OUTPUT FOR SDRAM
176	A7		ADDRESS BUS A7 OUTPUT FOR SDRAM
177	GND		GND
178	A6		ADDRESS BUS A6 OUTPUT FOR SDRAM
179	A5		ADDRESS BUS A5 OUTPUT FOR SDRAM
180	A4		ADDRESS BUS A4 OUTPUT FOR SDRAM
181	A3		ADDRESS BUS A3 OUTPUT FOR SDRAM
182	GCK2		3-WIRE SERIAL CHIP SELECTION INPUT
183	GND		GND
184	VCCO		3.3 V INPUT
185	GCK3		3-WIRE SERIAL CLOCK INPUT
186	VCCINT		2.5 V INPUT
187	DQM3		MASK OUTPUT 3 (DQ24 TO DQ31)
188	DQ31		DATA BUS D31 INPUT/OUTPUT FOR SDRAM
189	DQ30		DATA BUS D30 INPUT/OUTPUT FOR SDRAM
190	GND		GND
191	DQ29		DATA BUS D29 INPUT/OUTPUT FOR SDRAM
192	DQ28		DATA BUS D28 INPUT/OUTPUT FOR SDRAM
193	DQ27		DATA BUS D27 INPUT/OUTPUT FOR SDRAM
194	DQ26		DATA BUS D26 INPUT/OUTPUT FOR SDRAM
195	DQ25		DATA BUS D25 INPUT/OUTPUT FOR SDRAM
196	VCCINT		2.5 V INPUT
197	VCCO		3.3 V INPUT
198	GND		GND
199	DQ24		DATA BUS D24 INPUT/OUTPUT FOR SDRAM
200	NC		RESERVED
201	NC		RESERVED
202	NC		RESERVED
203	NC		RESERVED
204	NC		RESERVED
205	NC		RESERVED
206	NC		RESERVED
207	TCK		BOUNDARY SCAN TEST PORT
208	VCCO		3.3 V INPUT

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■IC2004(RH-IXA201CEN*Q)
MONITOR MICROPROCESSOR
●Pin Function

Pin No.	Pin Name	I/O	Pin Function
1	KEY1		KEY DETECTION INPUT FOR TUNING ∆, ∇AND INPUT SELECTION
2	OSTEMP		TEMPERATUREDETECTION INPUT FOR QS DRIVE CONTROL
3	AVSS		GND FOR AD
4	F_MODE		FLASH MEMORY WRITE INPUT
5	XOUT		RESERVED
6	XIN		5.0 V INPUT
7	VSS		GND
8	OSCIN		MAIN CLOCK INPUT (16.0 MHZ)
9	OSCOUT		MAIN CLOCK OUTPUT
10	RESET		RESET INPUT
11	FVPP		POWER SOURCE FOR FLASH MEMORY
12	TMDS_RST		PANEL LINK IC RESETOUTPUT
13	REQOUT		EXTERNAL ADJUSTMENT DETECTION OUTPUT
14	MREADY		EXTERNAL ADJUSTMENT TRANSITION DETECTION INPUT
15	LSYNC		PANEL LINK NO-SIGNAL DETECTION INPUT
16	IREM		REMOTE CONTROL SIGNAL INPUT
17	L_FL_ERR		LAMP ERROR DETECTION INPUT
18	TV_POW2		MONITOR MAIN POWER CONTROL OUTPUT
19	TV_POW		MONITOR POWER SUPPLY BOARD CONTROL OUTPUT
20	DDC_SCL		I2C CLOCK INPUT/OUTPUT FOR AVC CENTER EXPANSION I/O
21	DDC_SDAI		I2C DATA INPUT FOR AVC CENTER EXPANSION I/O
22	DDC_SDAO		I2C DATA OUTPUT FOR AVC CENTER EXPANSION I/O
23	CONFIG_SCL		MONITOR MAIN I2C CLOCK INPUT/OUTPUT
24	CONFIG_SDAI		MONITOR MAIN I2C DATA INPUT
25	CONFIG_SDAO		MONITOR MAIN I2C DATA OUTPUT
26	SR_UP		MDR CABLE CHECK
27	RSTB_TMDS		PANEL LINK RESET DETECTION INPUT
28	VSH_IN		PANEL POWER DETECTION INPUT
29	VSH_OUT		PANEL POWER (3.3 V) CONTROL OUTPUT
30	CSEN1		MDR CABLE CHECK
31	PROTECT		1-BIT ERROR DETECTION INPUT
32	POWDTC_M		MAIN POWER KEY DETECTION INPUT
33	VCC		6.0 V INPUT
34	POWR_LED		POWER LED (RED) OUTPUT
35	OPC_LED		LED OUTPUT DURING OPC CONTROL
36	TIM_LED		RESERVED LED OUTPUT
37	POWG_LED		POWER LED (GREEN) OUTPUT
38	SMPOW		POWER OUTPUT FOR AVC CENTER
39	DACCS1		EXPANSION DAC SELECTION OUTPUT 1
40	MSTATE		PANEL LINK I2C USE DETECTION INPUT
41	W_PROTECT		EEPROM WRITE PROTECT CONTROL OUTPUT
42	SP_ON/OFF		SPEAKER RELAY CONTROL OUTPUT
43	FAN-ERR		FAN ERROR DETECTION INPUT
44	FAN-CNT		FAN CONTROL OUTPUT
45	PANEL_POW		PANEL POWER CONTROL OUTPUT
46	HDCP_SCL		I2C CLOCK OUTPUT FOR HDCP WRITE
47	HDCP_SDA		I2C DATA OUTPUT FOR HDCP WRITE
48	RXD0_M		ASYNCHRONOUS RECEPTION INPUT
49	TXD0_M		ASYNCHRONOUS TRANSMIT OUTPUT
50	MP_DA		3-WIRE SERIAL DATA OUTPUT
51	MP_CS		3-WIRE SERIAL CHIP SELECT OUTPUT
52	MP_CLK		3-WIRE SERIAL CLOCK OUTPUT
53	PMUTE		VIDEO MUTE OUTPUT
54	DDCRST		FPGA RESETOUTPUT
55	CSEN2		START REQUEST DETECTION INPUT
56	DDCPOW		DVI CABLE CONNECTION DETECTION INPUT
57	STBY_POW		STANDBY KEY DETECTION INPUT
58	AVCC		5.0 V INPUT FOR AD
59	CCKM		MDR CABLE CHECK
60	OPC		BRIGHTNESS DETECTION INPUT
61	ADJ_GRAY		ASYNCHRONOUS POWER AUTO-ADJUSTMENT INPUT
62	AREA2		DESTINATION DISCRIMINATION 2 INPUT
63	AREA1		DESTINATION DISCRIMINATION 1 INPUT
64	KEY2		VOLUME LOW AND ON KEY DETECTION INPUT

■IC4501(RH-IXA725WJZZ)
LCD CONTROLLER
●Pin Function

Pin No.	Pin Name	I/O	Pin Function
A1	NC		NC
A2	VDD		3.3 V INPUT
A3	OLER7		LEFT EVEN R7 OUTPUT
A4	OLOR7		LEFT ODD R7 OUTPUT
A5	VDD		3.3 V INPUT
A6	OLOR3		LEFT ODD R3 OUTPUT
A7	VDD		3.3 V INPUT
A8	TES2		TEST PIN (PULL DOWN AT 100 K)
A9	OLOG5		LEFT ODD G5 OUTPUT
A10	OLEG4		LEFT EVEN G4 OUTPUT
A11	OLOG1		LEFTODD G1 OUTPUT
A12	OLEG0		LEFT EVEN G0 OUTPUT
A13	OLEB5		LEFT EVEN B5 OUTPUT
A14	OLOB4		LEFT ODD B4 OUTPUT
A15	VDD		3.3 V INPUT
A16	NC		NC
B1	GND		GND
B2	OLER6		LEFT EVEN R6 OUTPUT
B3	VDD		3.3 V INPUT
B4	OLER4		LEFT EVEN R4 OUTPUT
B5	GND		GND
B6	OLER0		LEFT EVEN R0 OUTPUT
B7	GND		GND
B8	TES1		TEST PIN (PULL DOWN AT 100 K)
B9	OLOG4		LEFTODD G4 OUTPUT
B10	GND		GND
B11	OLOG0		LEFTODD G0 OUTPUT
B12	GND		GND
B13	OLEB4		LEFT EVEN B4 OUTPUT
B14	VDD		3.3 V INPUT
B15	OLEB2		LEFT EVEN B2 OUTPUT
B16	GND		GND
C1	SPRS2		SPOI2 INPUT/OUTPUT
C2	GND		GND
C3	OLER5		LEFT EVEN R5 OUTPUT
C4	OLOR6		LEFTODD R6 OUTPUT
C5	OLOR4		LEFTODD R4 OUTPUT
C6	OLER1		LEFT EVEN R1 OUTPUT
C7	OLOR0		LEFT ODD R0 OUTPUT
C8	GND		GND
C9	OLEG7		LEFT EVEN G7 OUTPUT
C10	VDD		3.3 V INPUT
C11	OLEG3		LEFT EVEN G3 OUTPUT
C12	VDD		3.3 V INPUT
C13	OLOB7		LEFT ODD B7 OUTPUT
C14	OLEB1		LEFT EVEN B1 OUTPUT
C15	GND		GND
C16	OLEB3		LEFT EVEN B3 OUTPUT
D1	GND		GND
D2	VDD		3.3 V INPUT
D3	RPOL2		RPOL2 OUTPUT
D4	SPLS2		SPIO2 INPUT/OUTPUT
D5	OLOR5		LEFT ODD R5 OUTPUT
D6	OLER2		LEFT EVEN R2 OUTPUT
D7	OLOR1		LEFTODD R1 OUTPUT
D8	VDD		3.3 V INPUT
D9	OLOG6		LEFT ODD G6 OUTPUT
D10	OLOG3		LEFT ODD G3 OUTPUT
D11	OLEG2		LEFT EVEN G2 OUTPUT
D12	OLEB6		LEFT EVEN B6 OUTPUT
D13	OLOB5		LEFT ODD B5 OUTPUT
D14	OLOB2		LEFT ODD B2 OUTPUT
D15	OLEB0		LEFT EVEN B0 OUTPUT
D16	OLOB3		LEFT ODD B3 OUTPUT
E1	GSP1		GSP1 OUTPUT
E2	GLBR		GLBR OUTPUT

Pin No.	Pin Name	I/O	Pin Function
E3	GCK		GCK OUTPUT
E4	GSP2		GSP2 OUTPUT
E5	RPOL1		RPOL1 OUTPUT
E6	OLER3		LEFT EVEN R3 OUTPUT
E7	OCK		CLOCK OUTPUT FOR PANEL CONTROL
E8	OLOG7		LEFTODD G7 OUTPUT
E9	OLEG6		LEFT EVEN G6 OUTPUT
E10	OLOG2		LEFTODD G2 OUTPUT
E11	OLEB7		LEFT EVEN B7 OUTPUT
E12	OLOB6		LEFTODD B6 OUTPUT
E13	OLOB1		LEFTODD B1 OUTPUT
E14	OLOB0		LEFTODD B0 OUTPUT
E15	GND		GND
E16	VDD		3.3 V INPUT
F1	VDD		3.3 V INPUT
F2	TSPAT		TEST PATTERN PIN (PULL DOWN AT 100 k)
F3	PANEL		PANEL SELECTION INPUT (PULL UP AT 100 K)
F4	OEMÅQINV		OEM_INV OUTPUT
F5	POWER		POWER OUTPUT
F6	OLOR2		LEFTODD R2 OUTPUT
F7	LBR		LBR OUTPUT
F8	TES0		TEST PIN (PULL DOWN AT 100 K)
F9	OLEG5		LEFT EVEN G5 OUTPUT
F10	OLEG1		LEFT EVEN G1 OUTPUT
F11	REV		REV OUTPUT
F12	LPOL2		LPOL2 OUTPUT
F13	LPOL1		LPOL1 OUTPUT
F14	SPLS1		SPIO1 INPUT/OUTPUT
F15	SPRS1		SPOI1 INPUT/OUTPUT
F16	HG		LS OUTPUT
G1	OREB3		RIGHT EVEN B3 OUTPUT
G2	OREB2		RIGHT EVEN B2 OUTPUT
G3	OREB1		RIGHT EVEN B1 OUTPUT
G4	OREB0		RIGHT EVEN B0 OUTPUT
G5	GND		GND
G6	OEM		OEM OUTPUT
G11	OSD1		OSD INPUT (PULL DOWN AT 100 K)
G12	OSD2		OSD INPUT (PULL DOWN AT 100 K)
G13	OFL1		LIGHT CONTROL 1 CONTROL OUTPUT
G14	OFL2		LIGHT CONTROL 2 CONTROL OUTPUT
G15	GND		GND
G16	OSD3		OSD INPUT (PULL DOWN AT 100 K)
H1	VDD		3.3 V INPUT
H2	OROB3		RIGHTODD B3 OUTPUT
H3	OROB2		RIGHTODD B2 OUTPUT
H4	GND		GND
H5	OROB1		RIGHT ODD B1 OUTPUT
H6	OROB0		RIGHT ODD B0 OUTPUT
H11	OSD0		OSD INPUT (PULL DOWN AT 100 K)
H12	VDD		3.3 V INPUT
H13	GND		GND
H14	OSDÅQH		RESERVED
H15	OSDÅQBLK		OSD INPUT (PULL DOWN AT 100 K)
H16	OSDÅQV		RESERVED
J1	OREB7		RIGHT EVEN B7 OUTPUT
J2	OROB4		RIGHT ODD B4 OUTPUT
J3	OREB6		RIGHT EVEN B6 OUTPUT
J4	OREB5		RIGHT EVEN B5 OUTPUT
J5	OREB4		RIGHT EVEN B4 OUTPUT
J6	OROB5		RIGHT ODD B5 OUTPUT
J11	IRE5		EVEN R5 INPUT
J12	IRE6		EVEN R6 INPUT
J13	OSDÅQCK		RESERVED
J14	IRE7		EVEN R7 INPUT
J15	ATPG_SCAN_EN		(PULL DOWN AT 100 K)
J16	ATPG_MODE		(PULL DOWN AT 100 K)
K1	VDD		3.3 V INPUT
K2	GND		GND
K3	OREG0		RIGHT EVEN G0 OUTPUT
K4	OREG1		RIGHT EVEN G1 OUTPUT

81-1

Pin No.	Pin Name	I/O	Pin Function
K5	OROB7		RIGHT ODD B7 OUTPUT
K6	OROB6		RIGHT ODD B6 OUTPUT
K11	IGE3		EVEN G3 INPUT
K12	IRE0		EVEN R0 INPUT
K13	IRE1		EVEN R1 INPUT
K14	IRE2		EVEN R2 INPUT
K15	IRE3		EVEN R3 INPUT
K16	IRE4		EVEN R4 INPUT
L1	OREG3		RIGHT EVEN G3 OUTPUT
L2	OROG0		RIGHT ODD G0 OUTPUT
L3	OROG1		RIGHT ODD G1 OUTPUT
L4	OROG2		RIGHT ODD G2 OUTPUT
L5	OROG3		RIGHT ODD G3 OUTPUT
L6	OREG2		RIGHT EVEN G2 OUTPUT
L7	OROR5		RIGHT ODD R5 OUTPUT
L8	GACS		CS INPUT
L9	IBO7		ODD B7 INPUT
L10	IGO0		ODD G0 INPUT
L11	IGO6		ODD G6 INPUT
L12	IBE7		EVEN B7 INPUT
L13	IGE4		EVEN G4 INPUT
L14	IGE5		EVEN G5 INPUT
L15	IGE6		EVEN G6 INPUT
L16	IGE7		EVEN G7 INPUT
M1	VDD		3.3 V INPUT
M2	GND		GND
M3	OREG4		RIGHT EVEN G4 OUTPUT
M4	OREG5		RIGHT EVEN G5 OUTPUT
M5	OROR2		RIGHTODD R2 OUTPUT
M6	ORER3		RIGHT EVEN R3 OUTPUT
M7	ORER6		RIGHT EVEN R6 OUTPUT
M8	SDA		3-WIRE SERIAL DATA INPUT
M9	IBO2		ODD B2 INPUT
M10	IGO1		ODD G1 INPUT
M11	IRO3		ODD R3 INPUT
M12	IBE2		EVEN B2 INPUT
M13	IBE6		EVEN B6 INPUT
M14	IGE0		EVEN G0 INPUT
M15	IGE1		EVEN G1 INPUT
M16	IGE2		EVEN G2 INPUT
N1	OREG7		RIGHT EVEN G7 OUTPUT
N2	OROG4		RIGHT ODD G4 OUTPUT
N3	OREG6		RIGHT EVEN G6 OUTPUT
N4	OROR1		RIGHT ODD R1 OUTPUT
N5	ORER2		RIGHT EVEN R2 OUTPUT
N6	OROR6		RIGHT ODD R6 OUTPUT
N7	ORER7		RIGHT EVEN R7 OUTPUT
N8	IBO1		ODD B1 INPUT
N9	IBO3		ODD B3 INPUT
N10	IGO5		ODD G5 INPUT
N11	IRO2		ODD R2 INPUT
N12	IRO7		ODD R7 INPUT
N13	IBE1		EVEN B1 INPUT
N14	IBE3		EVEN B3 INPUT
N15	IBE4		EVEN B4 INPUT
N16	IBE5		EVEN B5 INPUT
P1	OROG7		RIGHT ODD G7 OUTPUT
P2	GND		3.3 V INPUT
P3	OROG5		RIGHT ODD G5 OUTPUT
P4	OROR3		RIGHT ODD R3 OUTPUT
P5	VDD		3.3 V INPUT
P6	OROR7		RIGHT ODD R7 OUTPUT
P7	VDD		3.3 V INPUT
P8	RST		3-WIRE SERIAL RESET INPUT
P9	IBO4		ODD B4 INPUT
P10	IGO4		ODD G4 INPUT
P11	IRO1		ODD R1 INPUT
P12	IRO6		ODD R6 INPUT
P13	VSYNC		VSYNC INPUT
P14	GND		GND

81-2

Pin No.	Pin Name	I/O	Pin Function
P15	GND		GND
P16	IBE0		EVEN B0 INPUT
R1	GND		GND
R2	OROG6		RIGHTODD G6 OUTPUT
R3	VDD		3.3 V INPUT
R4	ORER0		RIGHT EVEN R7 OUTPUT
R5	GND		GND
R6	ORER4		RIGHT EVEN R7 OUTPUT
R7	GND		GND
R8	PQÅQOFF		FORCED VIDEO MUTE CONTROL INPUT
R9	IBO6		ODD B6 INPUT
R10	IGO3		ODD G3 INPUT
R11	IRO0		ODD R0 INPUT
R12	IRO5		ODD R5 INPUT
R13	DE		DE INPUT
R14	VDD		3.3 V INPUT
R15	CLK		EXTERNAL CLOCK INPUT
R16	GND		GND
T1	NC		NC
T2	VDD		3.3 V INPUT
T3	OROR0		RIGHT ODD R0 OUTPUT
T4	ORER1		RIGHT EVEN R1 OUTPUT
T5	OROR4		RIGHT ODD R4 OUTPUT
T6	ORER5		RIGHT EVEN R5 OUTPUT
T7	SCK		3-WIRE SERIAL CLOCK INPUT
T8	IBO0		ODD B0 INPUT
T9	IBO5		ODD B5 INPUT
T10	IGO2		ODD G2 INPUT
T11	IGO7		ODD G7 INPUT
T12	IRO7		ODD R7 INPUT
T13	HSYNC		HSYNC INPUT
T14	FCLK		(PULL DOWN AT 100 K)
T15	VDD		3.3 V INPUT
T16	NC		NC

■IC3803(VHITA8184F/-1Y)

AUDIO VOLUME IC

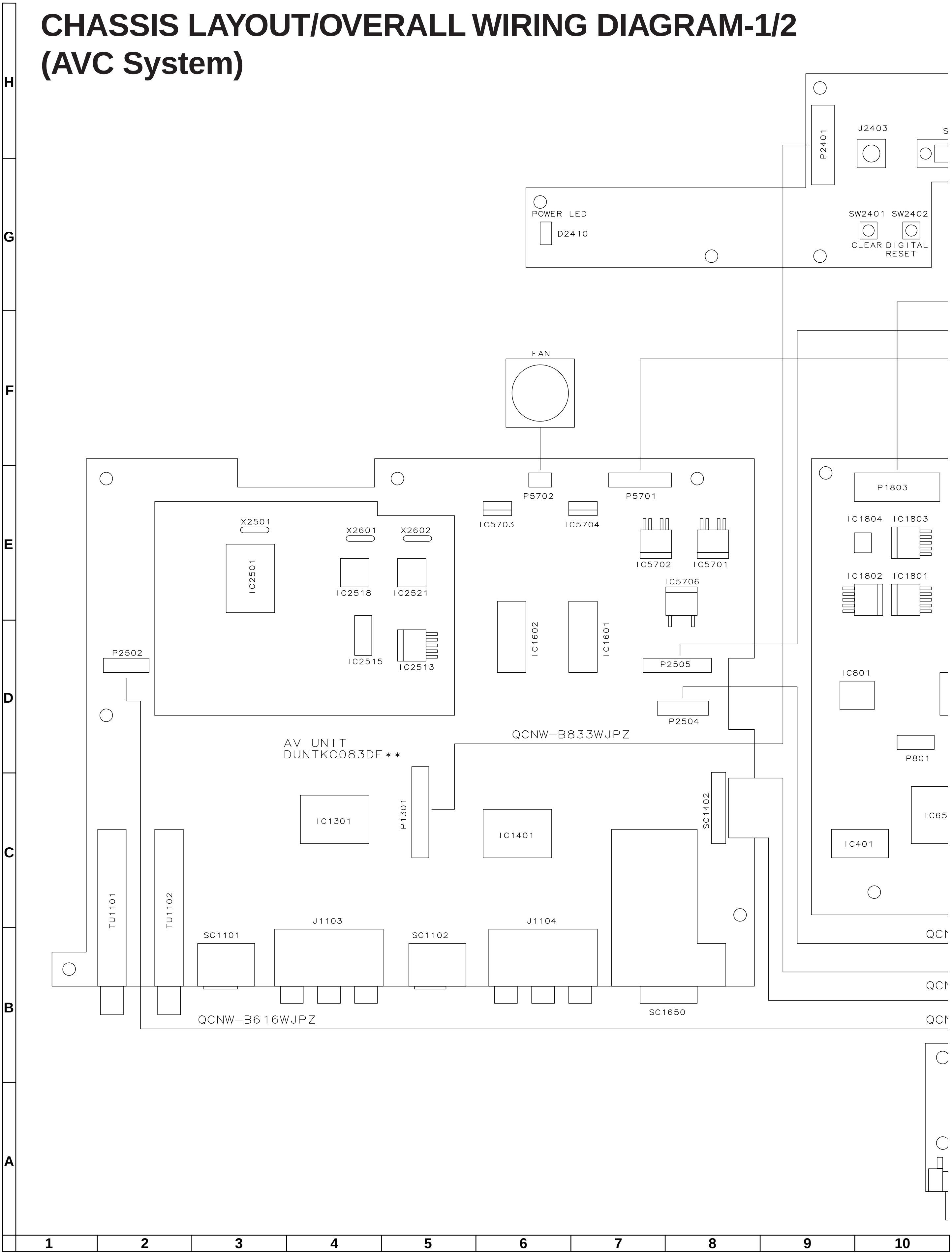
●Pin Function

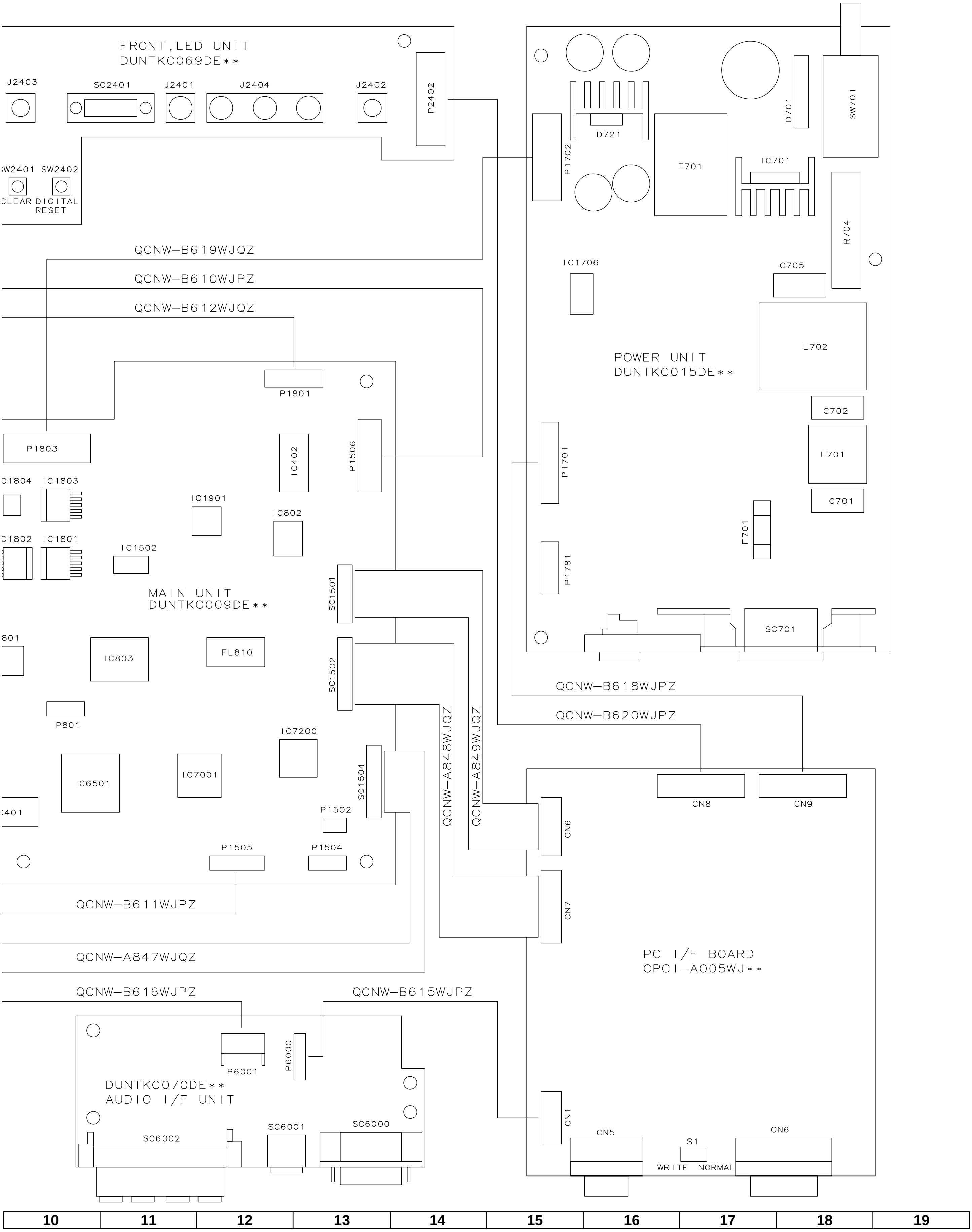
Pin No.	Pin Name	I/O	Pin Function
1	GND		GND
2	IN2		INPUT (R CH)
3	N.C		RESERVED
4	CH2		TREBLE TUNING
5	CL2		BASS TUNING
6	CLB2		BASS TUNING
7	OUT2		OUTPUT (R CH)
8	BAL		BALANCE CONTROL INPUT
9	VOL		VOLUME CONTROL INPUT
10	N.C		RESERVED
11	LOUD		LOUDNESS
12	REF		REFERENCE VOLTAGE INPUT
13	L.ADJ		LOUDNESS CONTROL INPUT
14	BASS		BASS CONTROL INPUT
15	N.C		RESERVED
16	TRBL		TREBLE CONTROL INPUT
17	RIP		RIPPLE FILTER
18	OUT1		OUTPUT (L CH)
19	CLB1		BASS TUNING
20	CL1		BASS TUNING
21	CH1		TREBLE TUNING
22	N.C		RESERVED
23	IN1		INPUT (L CH)
24	VCC		POWER INPUT

■IC4101(RH-IXA706WJZZQ)
GRADATION REFERENCE POWER IC
●Pin Function

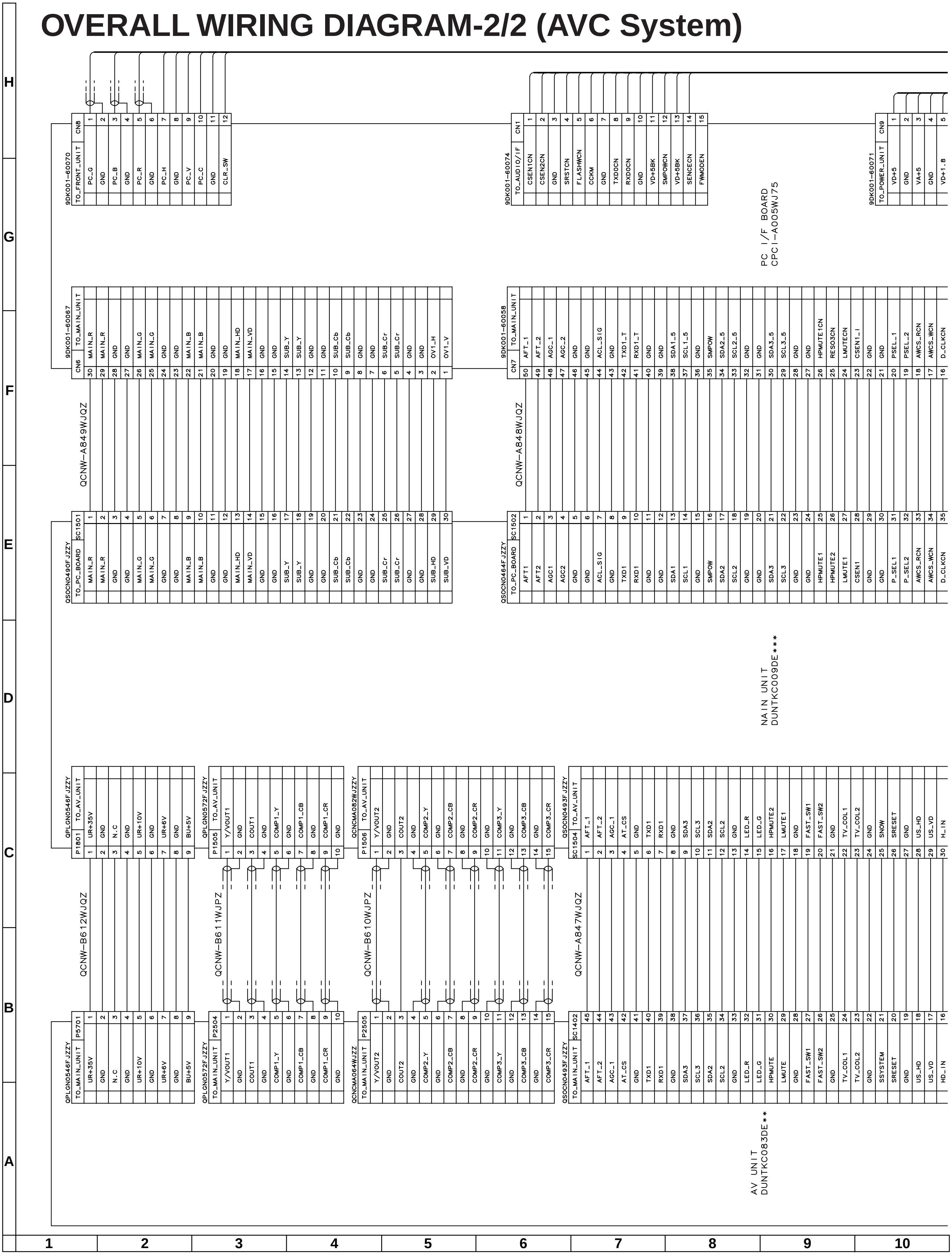
Pin No.	Pin Name	I/O	Pin Function
1	VL3		L3 AMPLIFIER OUTPUT
2	VL4		L4 AMPLIFIER OUTPUT
3	VL5		L5 AMPLIFIER OUTPUT
4	VL6		L6 AMPLIFIER OUTPUT
5	VL7		L7 AMPLIFIER OUTPUT
6	NC		RESERVED
7	VCC2		POWER PIN
8	VR7		R7 AMPLIFIER OUTPUT
9	VR6		R6 AMPLIFIER OUTPUT
10	VR5		R5 AMPLIFIER OUTPUT
11	VR4		R4 AMPLIFIER OUTPUT
12	VR3		R3 AMPLIFIER OUTPUT
13	VR2		R2 AMPLIFIER OUTPUT
14	VR1		R1 AMPLIFIER OUTPUT
15	VR0		R0 AMPLIFIER OUTPUT
16	VR8		R8 AMPLIFIER OUTPUT
17	VCC1		POWER PIN
18	NC		RESERVED
19	VR		REF AMPLIFIER INVERSION INPUT
20	VREF		REF AMPLIFIER OUTPUT
21	VA8		R8 AMPLIFIER REFERENCE INPUT
22	VA0		R0 AMPLIFIER REFERENCE INPUT
23	VA1		R1 AMPLIFIER REFERENCE INPUT
24	VA2		R2 AMPLIFIER REFERENCE INPUT
25	VA3		R3 AMPLIFIER REFERENCE INPUT
26	VA4		R4 AMPLIFIER REFERENCE INPUT
27	VA5		R5 AMPLIFIER REFERENCE INPUT
28	VA6		R6 AMPLIFIER REFERENCE INPUT
29	VA7		R7 AMPLIFIER REFERENCE INPUT
30	VA8		R8 AMPLIFIER REFERENCE INPUT
31	GND2		GND
32	VB7		L7 AMPLIFIER REFERENCE INPUT
33	VB6		L6 AMPLIFIER REFERENCE INPUT
34	VB5		L5 AMPLIFIER REFERENCE INPUT
35	VB4		L4 AMPLIFIER REFERENCE INPUT
36	VB3		L3 AMPLIFIER REFERENCE INPUT
37	VB2		L2 AMPLIFIER REFERENCE INPUT
38	VB1		L1 AMPLIFIER REFERENCE INPUT
39	VB0		L0 AMPLIFIER REFERENCE INPUT
40	GND1		GND
41	VB8		L8 AMPLIFIER REFERENCE INPUT
42	COMI		COM AMPLIFIER REFERENCE
43	COMO		COM AMPLIFIER OUTPUT
44	COMS		COM AMPLIFIER INVERSION INPUT
45	VL0		L0 AMPLIFIER REFERENCE INPUT
46	VL8		L8 AMPLIFIER REFERENCE INPUT
47	VL1		L1 AMPLIFIER REFERENCE INPUT
48	VL2		L2 AMPLIFIER REFERENCE INPUT

CHASSIS LAYOUT/OVERALL WIRING DIAGRAM-1/2 (AVC System)

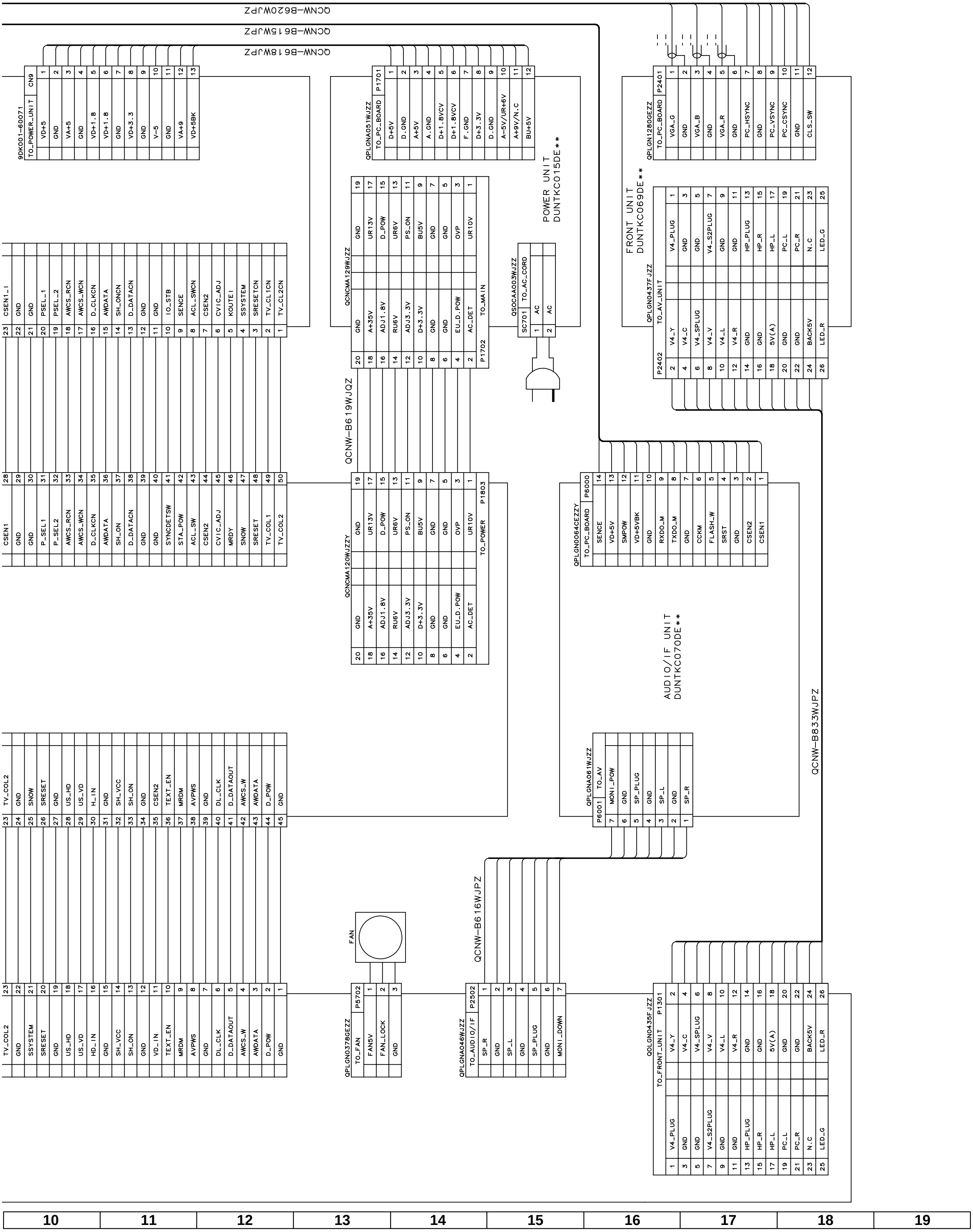

H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
P2401
J2403
POWER LED
D2410
SW2401 SW2402
CLEAR DIGITAL RESET
FAN
P5702
P5701
IC5703
IC5704
X2501
X2601
X2602
IC2501
IC2518
IC2521
IC5702
IC5701
IC5706
IC2515
IC2513
IC1602
IC1601
P2502
P2505
P2504
QCNW-B833WJPZ
AV UNIT
DUNTKC083DE**
P1301
IC1301
IC1401
SC1402
TU1101
TU1102
SC1101
J1103
SC1102
J1104
SC1650
QCNW-B616WJPZ
P1803
IC1804 IC1803
IC1802 IC1801
IC801
P801
IC65
IC401
QCN
QCN
QCN


FRONT,LED UNIT
DUNTKC069DE**
J2403
SC2401
J2401
J2404
J2402
P2402
SW2401
SW2402
CLEAR
DIGITAL RESET
QCNW-B619WJQZ
QCNW-B610WJPZ
QCNW-B612WJQZ
P1801
P1803
IC402
P1506
C1804
IC1803
IC1901
IC802
C1802
IC1801
IC1502
MAIN UNIT
DUNTKC009DE**
SC1501
801
IC803
FL810
SC1502
P801
IC7200
IC6501
IC7001
SC1504
C401
P1502
P1505
P1504
QCNW-B611WJPZ
QCNW-A847WJQZ
QCNW-B616WJPZ
QCNW-B615WJPZ
QCNW-A848WJQZ
QCNW-A849WJQZ
P6001
P6000
DUNTKC070DE**
AUDIO I/F UNIT
SC6002
SC6001
SC6000
D721
D701
SW701
P1702
T701
IC701
R704
IC1706
C705
L702
POWER UNIT
DUNTKC015DE**
C702
P1701
L701
C701
F701
P1781
SC701
QCNW-B618WJPZ
QCNW-B620WJPZ
CN8
CN9
CN6
CN7
PC I/F BOARD
CPCI-A005WJ**
CN1
CN5
S1
WRITE
NORMAL
CN6
10
11
12
13
14
15
16
17
18
19

OVERALL WIRING DIAGRAM-2/2 (AVC System)



H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
9DK001-60070 TO_FRONT_UNIT CN8
PC_G GND PC_B GND PC_R GND PC_H GND PC_V PC_C GND CLR_SW
9DK001-60074 TO_AUDIO/IF CN1
CSEN1CN CSEN2CN GND SRSTCN FLASHCN CCKM GND TXDOCN RXDOCN GND VD+5BK SMPOWCN VD+5BK SENCECN FWMODEN
9DK001-60071 TO_POWER_UNIT CN9
VD+5 GND VA+5 GND VD+1.8
PC I/F BOARD
CPCI-A005WJ75
9DK001-60067 TO_MAIN_UNIT CN6
MAIN_R MAIN_R GND GND MAIN_G MAIN_G GND GND MAIN_B MAIN_B GND GND MAIN_HD MAIN_VD GND GND SUB_Y SUB_Y GND GND SUB_Cb SUB_Cb GND GND SUB_Cr SUB_Cr GND GND OV1_H OV1_V
9DK001-60058 TO_MAIN_UNIT CN7
AFT_1 AFT_2 AGC_1 AGC_2 GND GND ACL_SIG GND TXD1_T RXD1_T GND GND SDA1_5 SCL1_5 GND SMPOW SDA2_5 SCL2_5 GND GND SDA3_5 SCL3_5 GND GND HPMUTE1CN RESO3CN LMUTECN CSEN1_I GND GND PSEL_1 PSEL_2 AWCS_RCN AWCS_WCN D_CLKCN
QCNW-A849WJQZ
QCNW-A848WJQZ
QSOCN0490FJZZY TO_PC_BOARD SC1501
MAIN_R MAIN_R GND GND MAIN_G MAIN_G GND GND MAIN_B MAIN_B GND GND MAIN_HD MAIN_VD GND GND SUB_Y SUB_Y GND GND SUB_Cb SUB_Cb GND GND SUB_Cr SUB_Cr GND GND SUB_HD SUB_VD
QSOCN0464FJZZY TO_PC_BOARD SC1502
AFT1 AFT2 AGC1 AGC2 GND GND ACL_SIG GND TXD1 RXD1 GND GND SDA1 SCL1 GND SMPOW SDA2 SCL2 GND GND SDA3 SCL3 GND GND HPMUTE1 HPMUTE2 LMUTE1 CSEN1 GND GND P_SEL1 P_SEL2 AWCS_RCN AWCS_WCN D_CLKCN
NAIN UNIT
DUNTKC009DE***
QPLGN0546FJZZY TO_AV_UNIT P1801
UR+35V GND N.C GND UR+10V GND UR+6V GND BU+5V
QPLGN0572FJZZY TO_AV_UNIT P1505
Y/VOUT1 GND COUT1 GND COMP1_Y GND COMP1_CB GND COMP1_CR GND
QCNCMA082WJZZY TO_AV_UNIT P1506
Y/VOUT2 GND COUT2 GND COMP2_Y GND COMP2_CB GND COMP2_CR GND COMP3_Y GND COMP3_CB GND COMP3_CR
QSOCN0493FJZZY TO_AV_UNIT SC1504
AFT_1 AFT_2 AGC_1 AT_CS GND TXD1 RXD1 GND SDA3 SCL3 SDA2 SCL2 GND LED_R LED_G HPMUTE2 LMUTE1 GND FAST_SW1 FAST_SW2 GND TV_COL1 TV_COL2 GND SNOW SRESET GND US_HD US_VD H_IN
QCNW-B612WJQZ
QCNW-B611WJPZ
QCNW-B610WJPZ
QCNW-A847WJQZ
QPLGN0546FJZZY TO_MAIN_UNIT P5701
UR+35V GND N.C GND UR+10V GND UR+6V GND BU+5V
QPLGN0572FJZZY TO_MAIN_UNIT P2504
Y/VOUT1 GND COUT1 GND COMP1_Y GND COMP1_CB GND COMP1_CR GND
QCNCMA064WJZZ TO_MAIN_UNIT P2505
Y/VOUT2 GND COUT2 GND COMP2_Y GND COMP2_CB GND COMP2_CR GND COMP3_Y GND COMP3_CB GND COMP3_CR
QSOCN0493FJZZY TO_MAIN_UNIT SC1402
AFT_1 AFT_2 AGC_1 AT_CS GND TXD1 RXD1 GND SDA3 SCL3 SDA2 SCL2 GND LED_R LED_G HPMUTE LMUTE GND FAST_SW1 FAST_SW2 GND TV_COL1 TV_COL2 GND SSYSTEM SRESET GND US_HD US_VD HD_IN
AV UNIT
DUNTKC083DE**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QCNW-B615WJPZ
QCNW-B618WJPZ
9DK001-60071
TO_POWER_UNIT
CN9
VD+5
GND
VA+5
GND
VD+1.8
VD+1.8
GND
VD+3.3
GND
V-5
GND
VA+9
VD+5BK
QPLGNA051WJZZ
TO_PC_BOARD
P1701
D+5V
D.GND
A+5V
A.GND
D+1.8VCV
D+1.8VCV
F.GND
D+3.3V
D.GND
A-5V/UR+6V
A+9V/N.C
BU+5V
POWER UNIT
DUNTKC015DE**
QPLGN1280GEZZ
TO_PC_BOARD
P2401
VGA_G
GND
VGA_B
GND
VGA_R
GND
PC_HSYNC
GND
PC_VSYNC
PC_CSYNC
GND
CLS_SW
FRONT UNIT
DUNTKC069DE**
QPLGN0437FJZZ
TO_AV_UNIT
P2402
V4_Y
V4_C
V4_SPLUG
V4_V
V4_L
V4_R
GND
5V(A)
GND
BACK5V
LED_R
V4_PLUG
GND
GND
V4_S2PLUG
GND
GND
HP_PLUG
HP_R
HP_L
PC_L
PC_R
N.C
LED_G
QCNCMA129WJZZ
TO_MAIN
P1702
GND
A+35V
ADJ1.8V
RU6V
ADJ3.3V
D+3.3V
GND
GND
EU_D.POW
AC_DET
UR13V
D_POW
UR6V
PS_ON
BU5V
OVP
UR10V
QSOCAA003WJZZ
TO_AC_CORD
SC701
AC
AC
CSEN1_I
GND
GND
PSEL_1
PSEL_2
AWCS_RCN
AWCS_WCN
D_CLKCN
AWDATA
SH_ONCN
D_DATACN
GND
GND
IO_STB
SENCE
ACL_SWCN
CSEN2
CVIC_ADJ
KOUTEI
SSYSTEM
SRESETCN
TV_CL1CN
TV_CL2CN
QCNW-B619WJQZ
CSEN1
GND
GND
P_SEL1
P_SEL2
AWCS_RCN
AWCS_WCN
D_CLKCN
AWDATA
SH_ON
D_DATACN
GND
GND
SYNCDETSW
STA_POW
ACL_SW
CSEN2
CVIC_ADJ
MRDY
SNOW
SRESET
TV_COL1
TV_COL2
QCNCMA120WJZZY
TO_POWER
P1803
QPLGN0064CEZZY
TO_PC_BOARD
P6000
SENCE
VD+5V
SMPOW
VD+5VBK
GND
RXDO_M
TXDO_M
GND
CCKM
FLASH_W
SRST
GND
CSEN2
CSEN1
AUDIO/IF UNIT
DUNTKC070DE**
QCNW-B833WJPZ
QPLGNA061WJZZ
TO_AV
P6001
MONI_POW
GND
SP_PLUG
GND
SP_L
GND
SP_R
TV_COL2
GND
SNOW
SRESET
GND
US_HD
US_VD
H_IN
GND
SH_VCC
SH_ON
GND
CSEN2
TEXT_EN
MRDM
AVPWS
GND
DL_CLK
D_DATAOUT
AWCS_W
AWDATA
D_POW
GND
QCNW-B616WJPZ
FAN
QPLGN0378GEZZ
TO_FAN
P5702
FAN5V
FAN_LOCK
GND
QPLGNA046WJZZ
TO_AUDIO/IF
P2502
SP_R
GND
SP_L
GND
SP_PLUG
GND
MONI_DOWN
TV_COL2
GND
SSYSTEM
SRESET
GND
US_HD
US_VD
HD_IN
GND
SH_VCC
SH_ON
GND
VD_IN
TEXT_EN
MRDM
AVPWS
GND
DL_CLK
D_DATAOUT
AWCS_W
AWDATA
D_POW
GND
QDLGN0435FJZZ
TO_FRONT_UNIT
P1301
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11
12
13
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16
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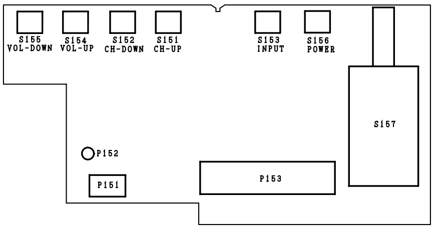
19

CHASSIS LAYOUT (Display)

KEY PWB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VOL-DOWN
S154
VOL-UP
S152
CH-DOWN
S151
CH-UP
S153
INPUT
S156
POWER
S157
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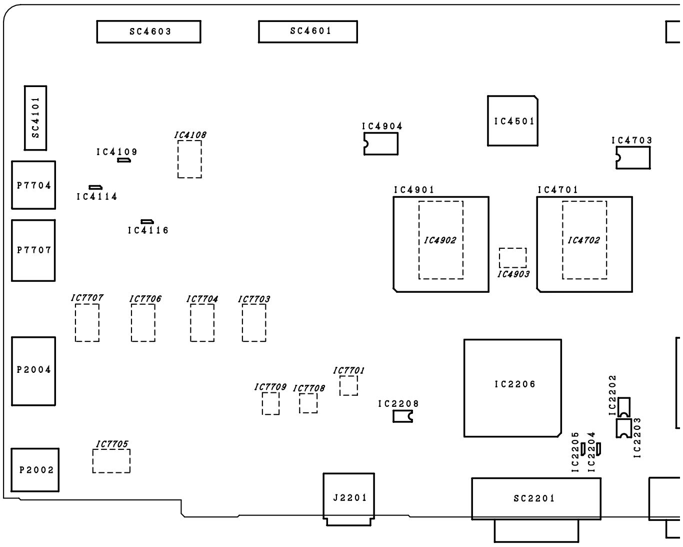
P151
P153

MONITOR PWB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IC4109
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IC4703
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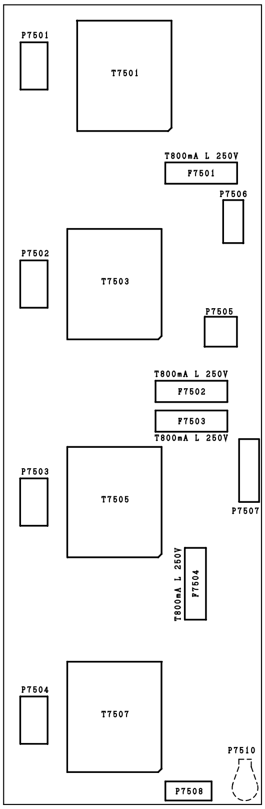
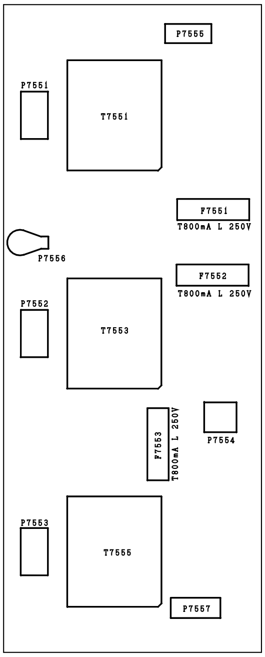
IC7701
IC7709
IC7708
IC2208
IC2206
IC2202
IC2203
IC2205
IC2204
IC7705
P2002
J2201
SC2201

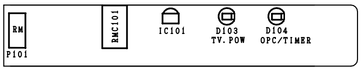
INVERTER-1 PWB


P7501
T7501
T800mA L 250V
F7501
P7506
P7502
T7503
P7505
T800mA L 250V
F7502
F7503
T800mA L 250V
P7503
T7505
P7507
T800mA L 250V
F7504
P7504
T7507
P7510
P7508

INVERTER-2 PWB

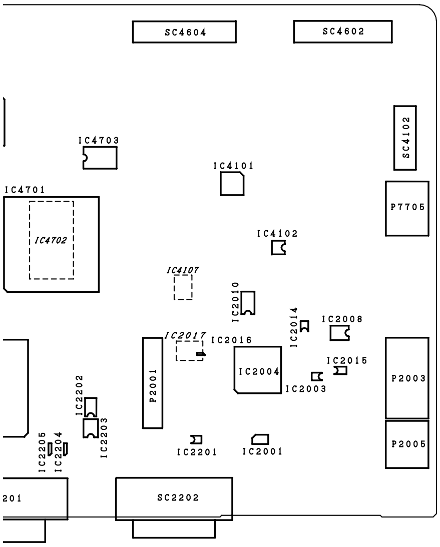

P7555
P7551
T7551
F7551
T800mA L 250V
P7556
F7552
T800mA L 250V
P7552
T7553
F7553
T800mA L 250V
P7554
P7553
T7555
P7557

R/C, LED PWB

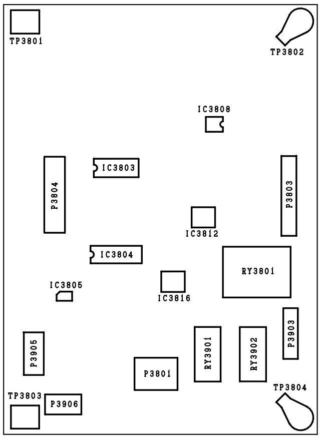

RM
P101
RMC101
IC101
D103
TV.POW
D104
OPC/TIMER

H
G
F
E
D
C
B
A

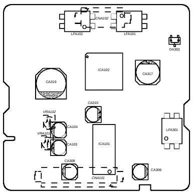
1 2 3 4 5 6 7 8 9 10


SC4604
SC4602
SC4102
IC4703
IC4101
IC4701
IC4702
P7705
IC4102
IC4107
IC2010
IC2014
IC2008
IC2017
IC2016
IC2015
IC2004
IC2003
P2003
P2001
IC2202
IC2206
IC2204
IC2203
IC2201
IC2001
P2005
201
SC2202

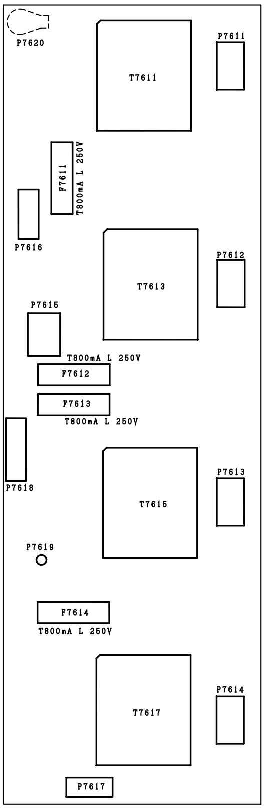
AUDIO PWB


TP3801
TP3802
IC3808
IC3803
P3804
P3803
IC3812
IC3804
RY3801
IC3805
IC3816
P3903
P3905
RY3901
RY3902
P3801
TP3804
TP3803
P3906

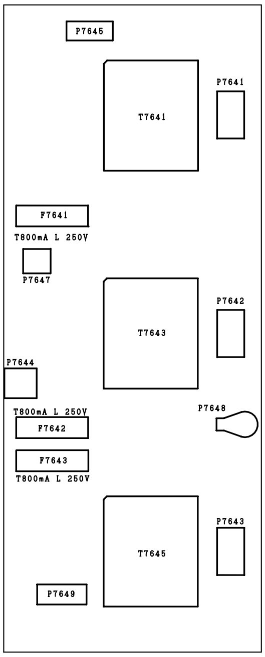
1-Bit AMP PWB



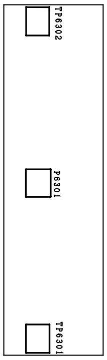
INVERTER-3 PWB


P7620
T7611
P7611
F7611
T800mA L 250V
P7616
T7613
P7612
P7615
T800mA L 250V
F7612
F7613
T800mA L 250V
P7618
T7615
P7613
P7619
F7614
T800mA L 250V
T7617
P7614
P7617

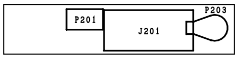
INVERTER-4 PWB


P7645
T7641
P7641
F7641
T800mA L 250V
P7647
T7643
P7642
P7644
T800mA L 250V
P7648
F7642
F7643
T800mA L 250V
T7645
P7643
P7649

THERMISTOR PWB

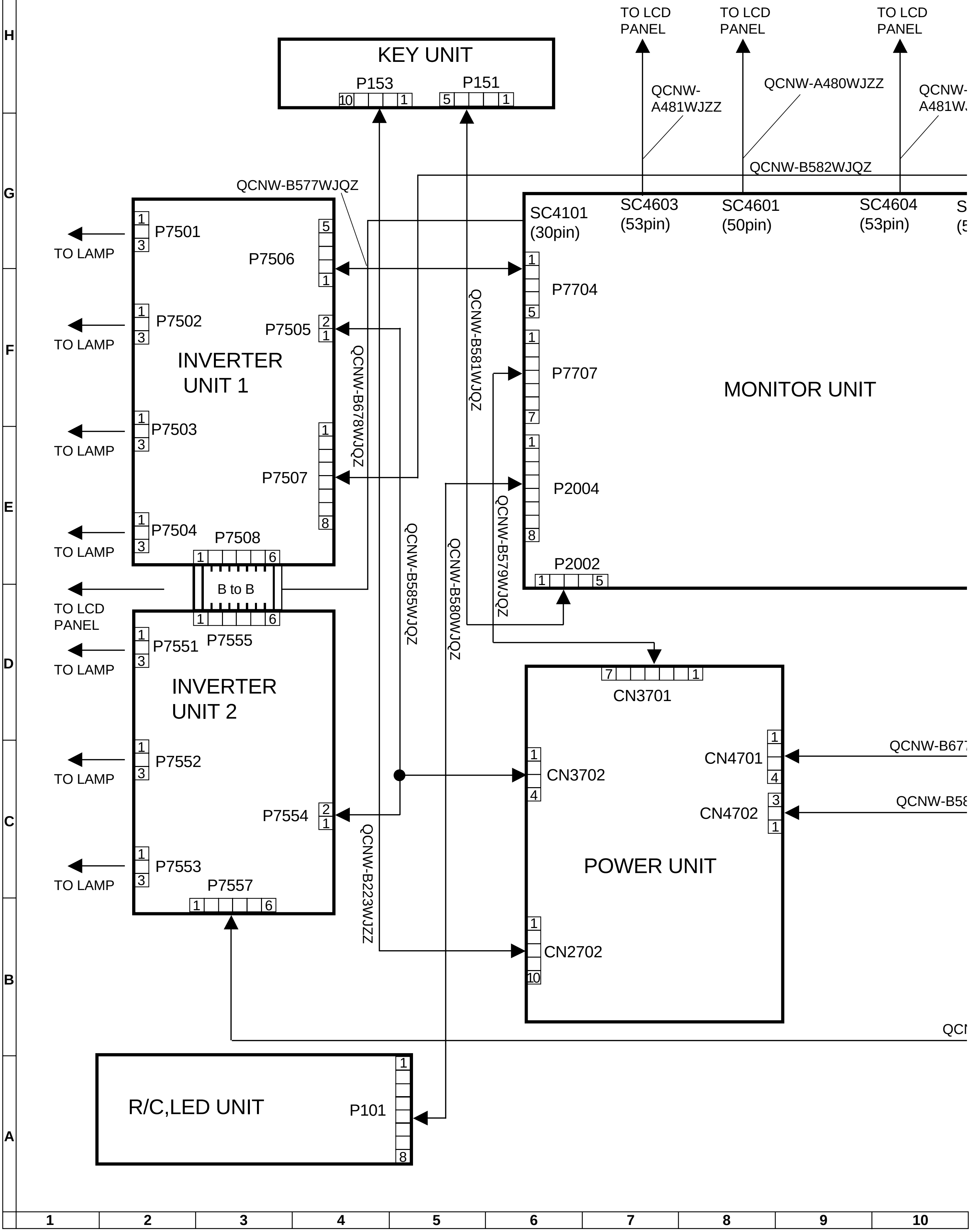

TP6302
P6301
TP6301

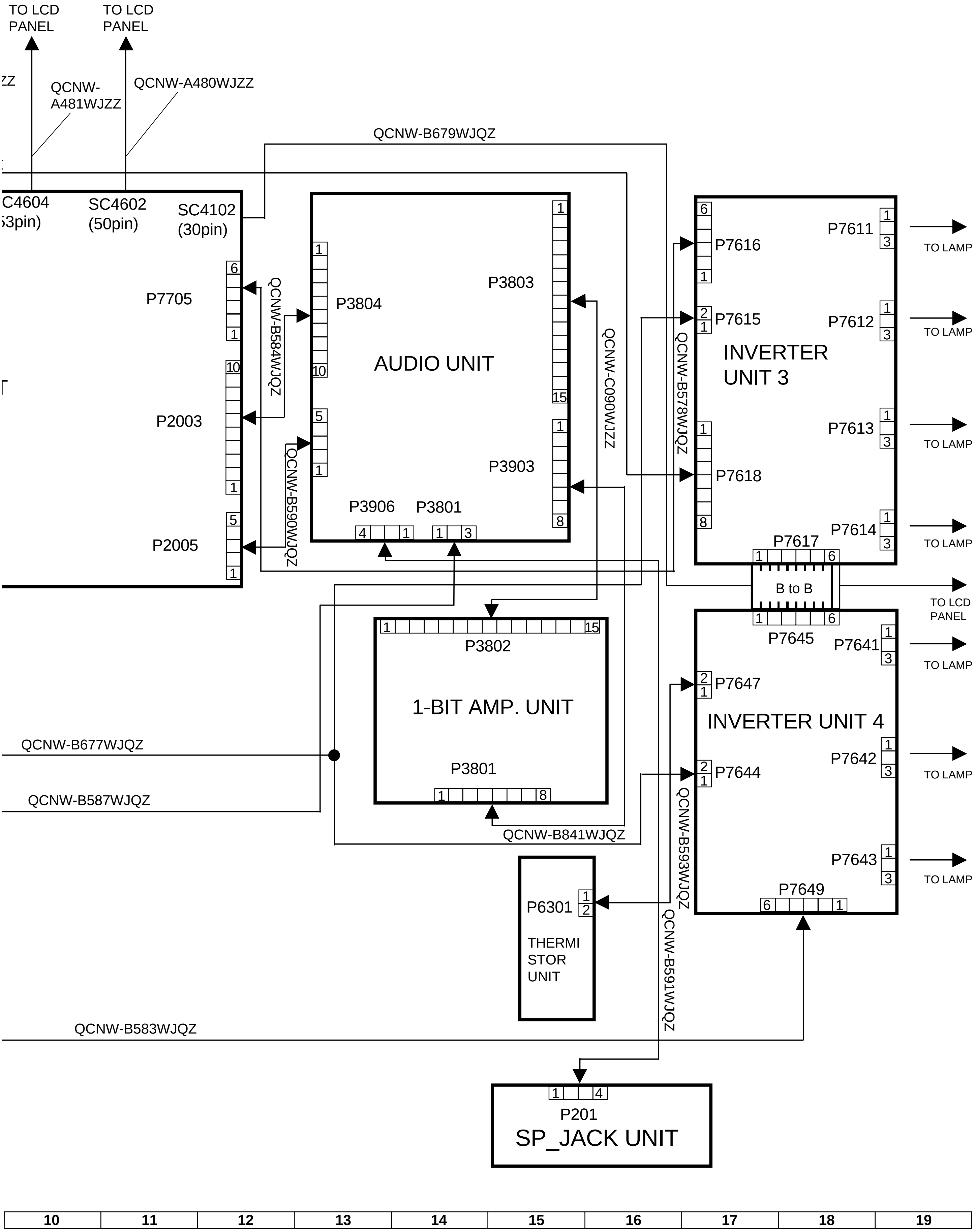
SP-J PWB


P201
P203
J201

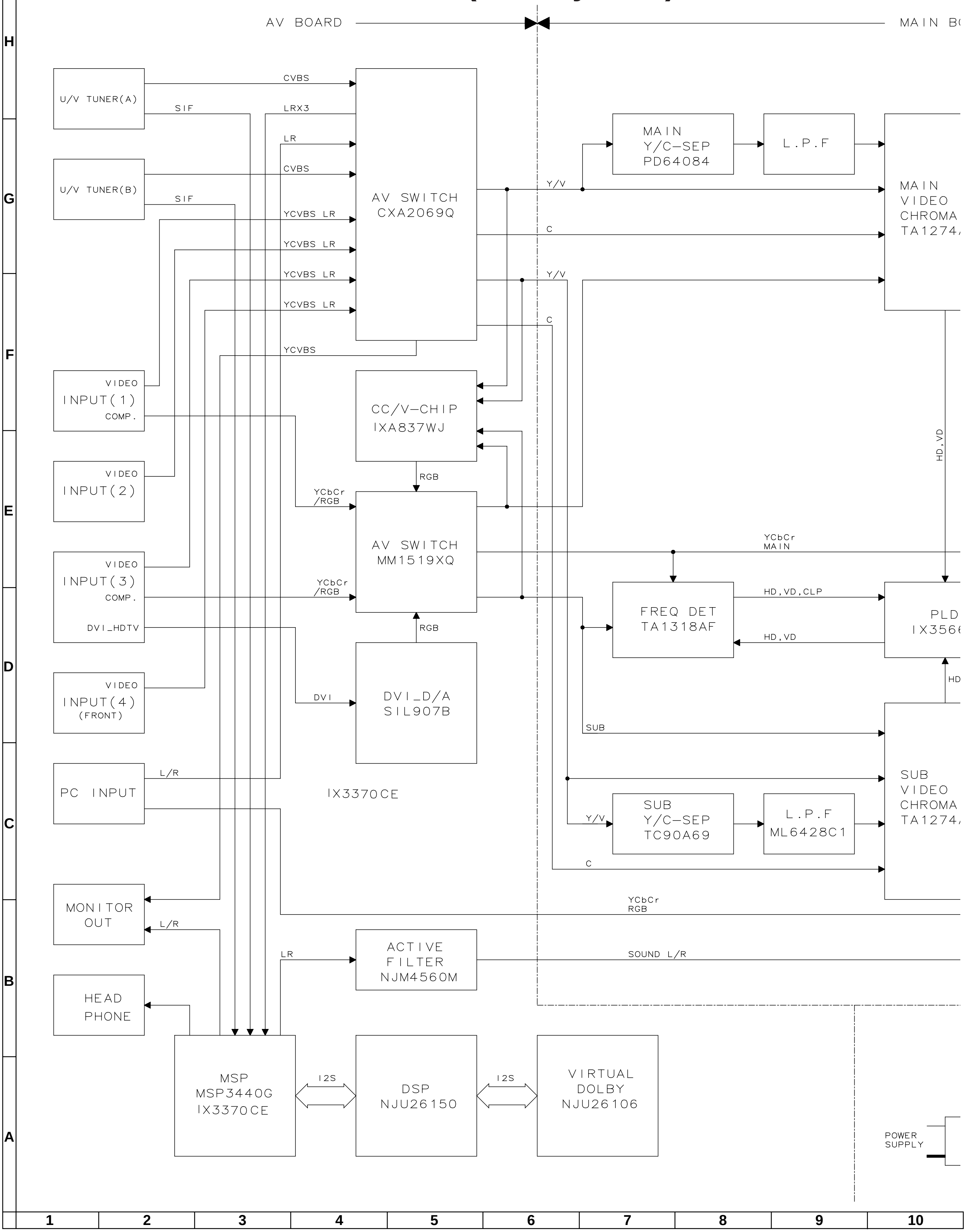
10	11	12	13	14	15	16	17	18	19

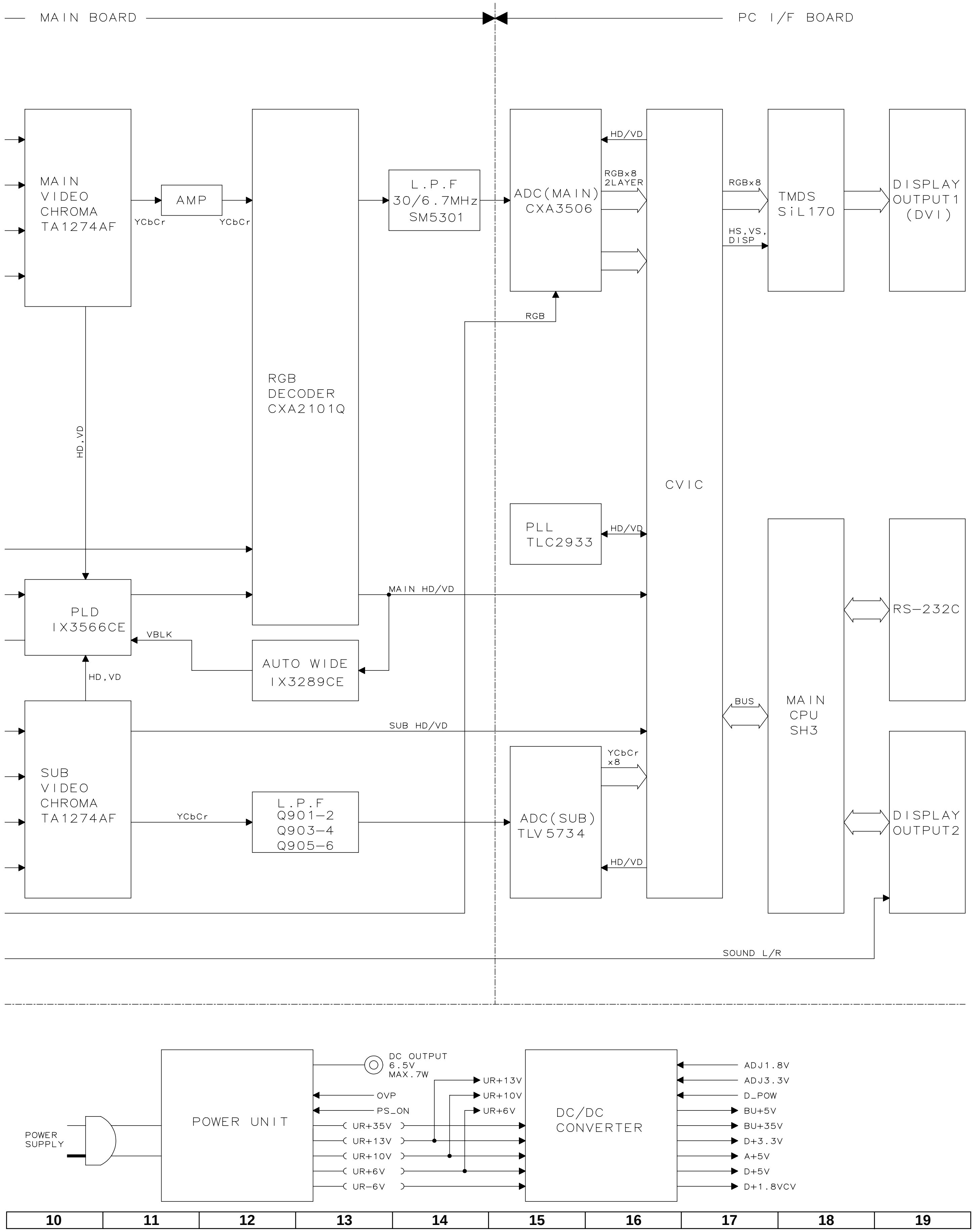
OVERALL WIRING DIAGRAM (Display)


TO LCD PANEL
TO LCD PANEL
TO LCD PANEL
KEY UNIT
P153
P151
QCNW-A481WJZZ
QCNW-A480WJZZ
QCNW-B582WJQZ
QCNW-B577WJQZ
SC4101 (30pin)
SC4603 (53pin)
SC4601 (50pin)
SC4604 (53pin)
TO LAMP
P7501
P7506
P7704
P7502
P7505
P7707
INVERTER UNIT 1
MONITOR UNIT
P7503
P7507
P2004
P7504
P7508
P2002
QCNW-B678WJQZ
QCNW-B581WJQZ
QCNW-B585WJQZ
QCNW-B580WJQZ
QCNW-B579WJQZ
B to B
TO LCD PANEL
P7551
P7555
CN3701
INVERTER UNIT 2
P7552
CN4701
CN3702
P7554
CN4702
POWER UNIT
P7553
P7557
QCNW-B223WJZZ
CN2702
R/C,LED UNIT
P101
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10

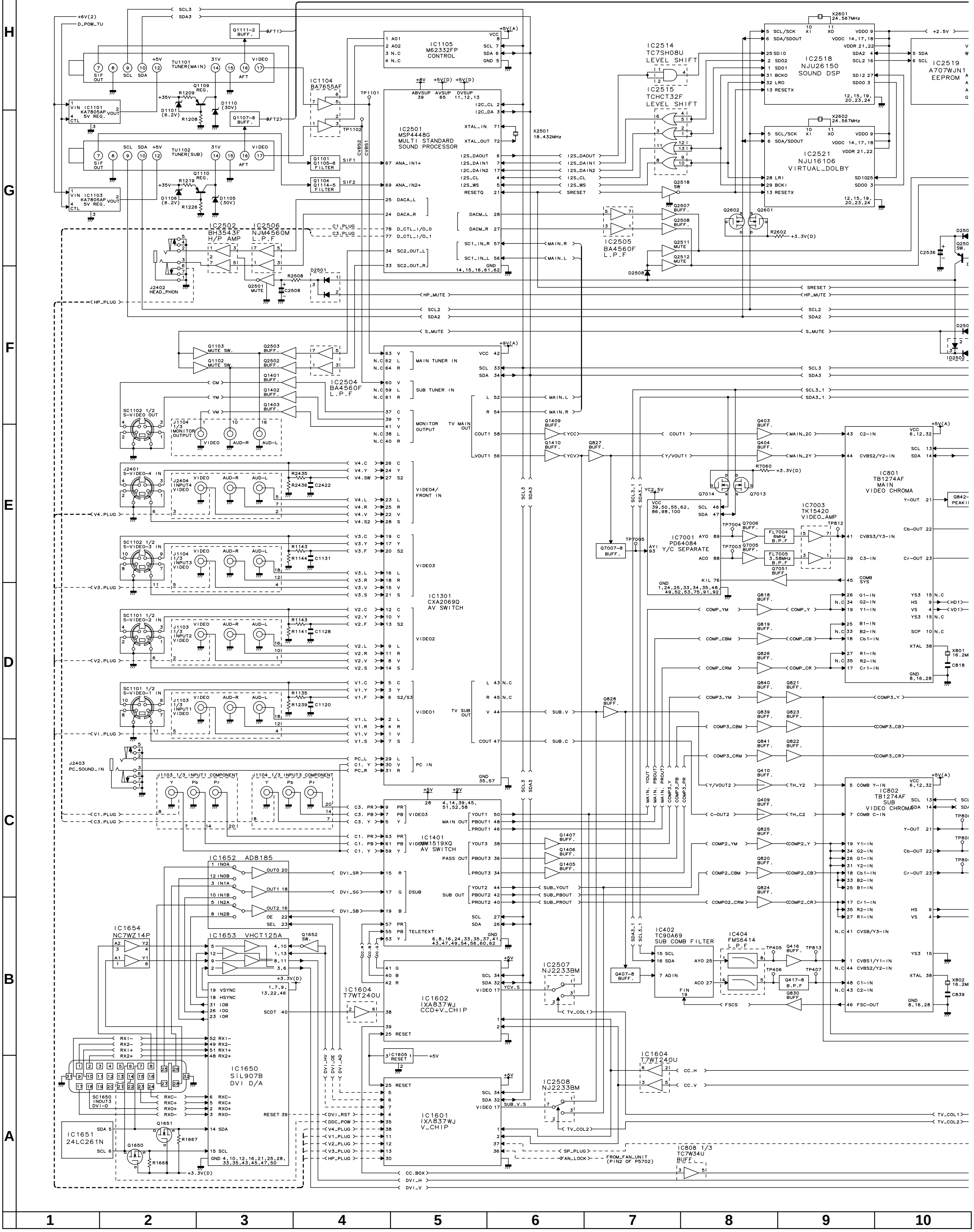

TO LCD PANEL
TO LCD PANEL
ZZ
QCNW-A481WJZZ
QCNW-A480WJZZ
QCNW-B679WJQZ
C4604
3pin)
SC4602 (50pin)
SC4102 (30pin)
P7705
P2003
P2005
QCNW-B584WJQZ
QCNW-B590WJQZ
P3804
AUDIO UNIT
P3803
P3903
P3906
P3801
QCNW-C090WJZZ
QCNW-B578WJQZ
P7616
P7615
P7618
P7611
P7612
P7613
P7614
P7617
INVERTER UNIT 3
TO LAMP
TO LAMP
TO LAMP
TO LAMP
B to B
TO LCD PANEL
P7645
P7641
P7647
INVERTER UNIT 4
P7642
P7644
P7643
P7649
TO LAMP
TO LAMP
TO LAMP
P3802
1-BIT AMP. UNIT
P3801
QCNW-B677WJQZ
QCNW-B587WJQZ
QCNW-B841WJQZ
QCNW-B593WJQZ
QCNW-B591WJQZ
P6301
THERMISTOR UNIT
QCNW-B583WJQZ
P201
SP_JACK UNIT
10
11
12
13
14
15
16
17
18
19

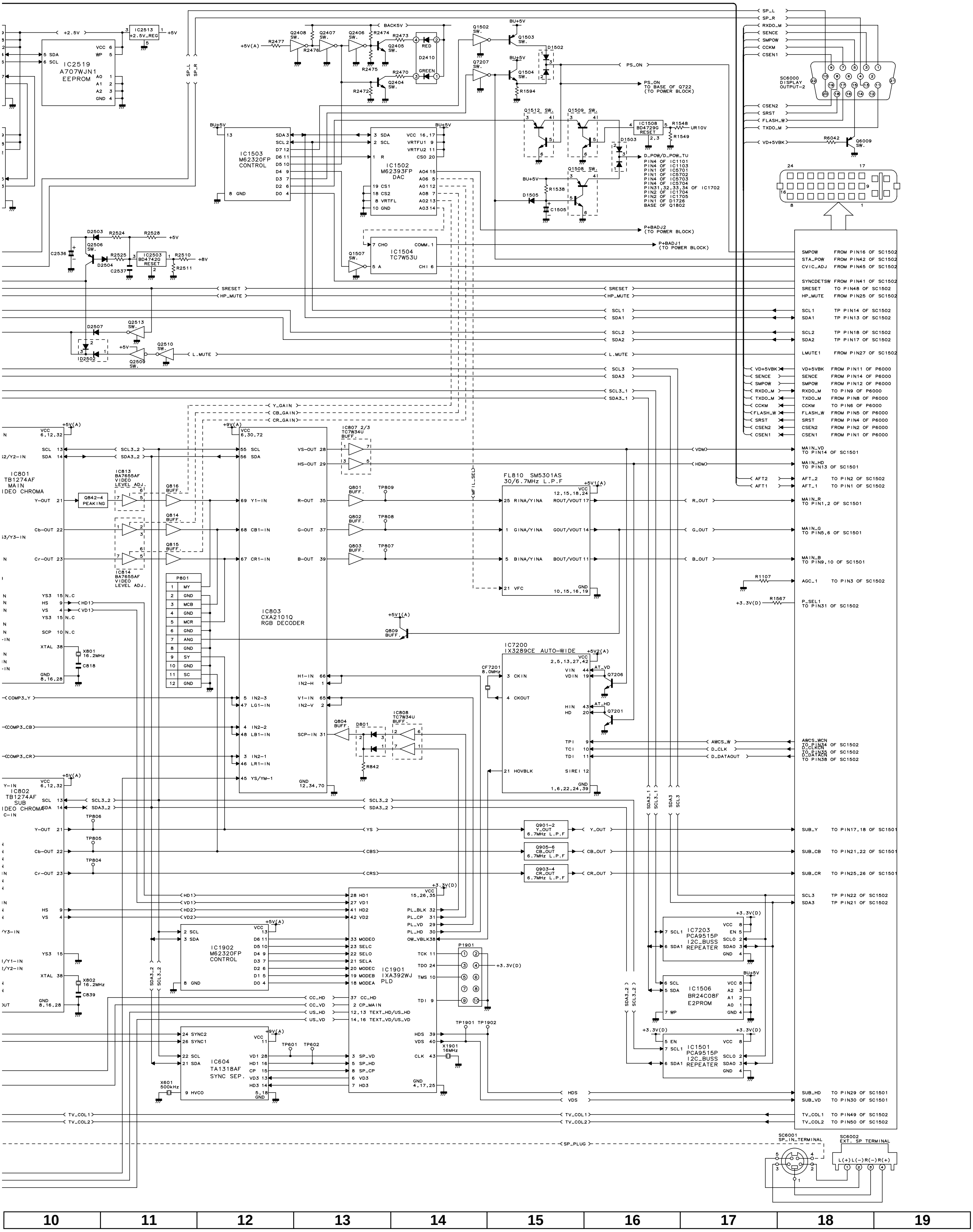
SYSTEM BLOCK DIAGRAM (AVC System)


AV BOARD
MAIN B
U/V TUNER(A)
CVBS
SIF
LRX3
LR
U/V TUNER(B)
CVBS
SIF
YCVBS LR
YCVBS LR
YCVBS LR
YCVBS LR
YCVBS
AV SWITCH
CXA2069Q
MAIN
Y/C-SEP
PD64084
L.P.F
Y/V
C
Y/V
C
MAIN
VIDEO
CHROMA
TA1274
VIDEO
INPUT(1)
COMP.
VIDEO
INPUT(2)
VIDEO
INPUT(3)
COMP.
DVI_HDTV
VIDEO
INPUT(4)
(FRONT)
CC/V-CHIP
IXA837WJ
RGB
YCbCr
/RGB
AV SWITCH
MM1519XQ
YCbCr
/RGB
RGB
DVI
DVI_D/A
SIL907B
HD,VD
YCbCr
MAIN
FREQ DET
TA1318AF
HD,VD,CLP
HD,VD
PLD
IX356
HD
SUB
PC INPUT
L/R
IX3370CE
Y/V
SUB
Y/C-SEP
TC90A69
L.P.F
ML6428C1
SUB
VIDEO
CHROMA
TA1274
C
MONITOR
OUT
L/R
YCbCr
RGB
LR
ACTIVE
FILTER
NJM4560M
SOUND L/R
HEAD
PHONE
MSP
MSP3440G
IX3370CE
I2S
DSP
NJU26150
I2S
VIRTUAL
DOLBY
NJU26106
POWER
SUPPLY
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10

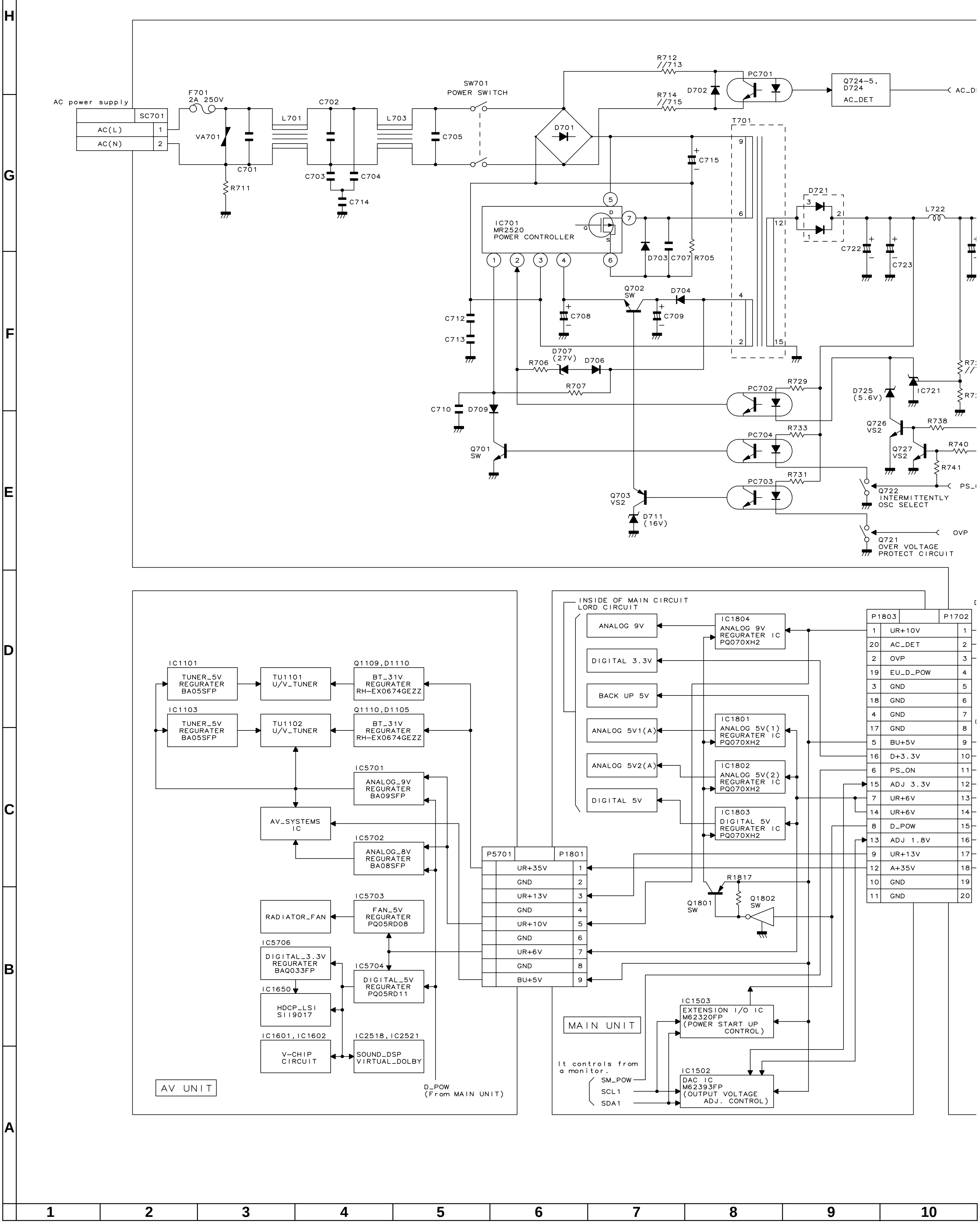

MAIN BOARD
PC I/F BOARD
MAIN VIDEO CHROMA TA1274AF
AMP
YCbCr
YCbCr
RGB DECODER CXA2101Q
L.P.F 30/6.7MHz SM5301
ADC(MAIN) CXA3506
HD/VD
RGBx8 2LAYER
CVIC
RGBx8
TMDS SiL170
HS,VS, DISP
DISPLAY OUTPUT1 (DVI)
RGB
HD,VD
PLL TLC2933
HD/VD
MAIN HD/VD
PLD IX3566CE
VBLK
AUTO WIDE IX3289CE
HD,VD
MAIN CPU SH3
RS-232C
BUS
SUB HD/VD
SUB VIDEO CHROMA TA1274AF
YCbCr
L.P.F Q901-2 Q903-4 Q905-6
ADC(SUB) TLV5734
YCbCr x8
HD/VD
DISPLAY OUTPUT2
SOUND L/R
POWER SUPPLY
POWER UNIT
DC OUTPUT 6.5V MAX.7W
OVP
PS_ON
UR+35V
UR+13V
UR+10V
UR+6V
UR-6V
UR+13V
UR+10V
UR+6V
DC/DC CONVERTER
ADJ1.8V
ADJ3.3V
D_POW
BU+5V
BU+35V
D+3.3V
A+5V
D+5V
D+1.8VCV
10
11
12
13
14
15
16
17
18
19

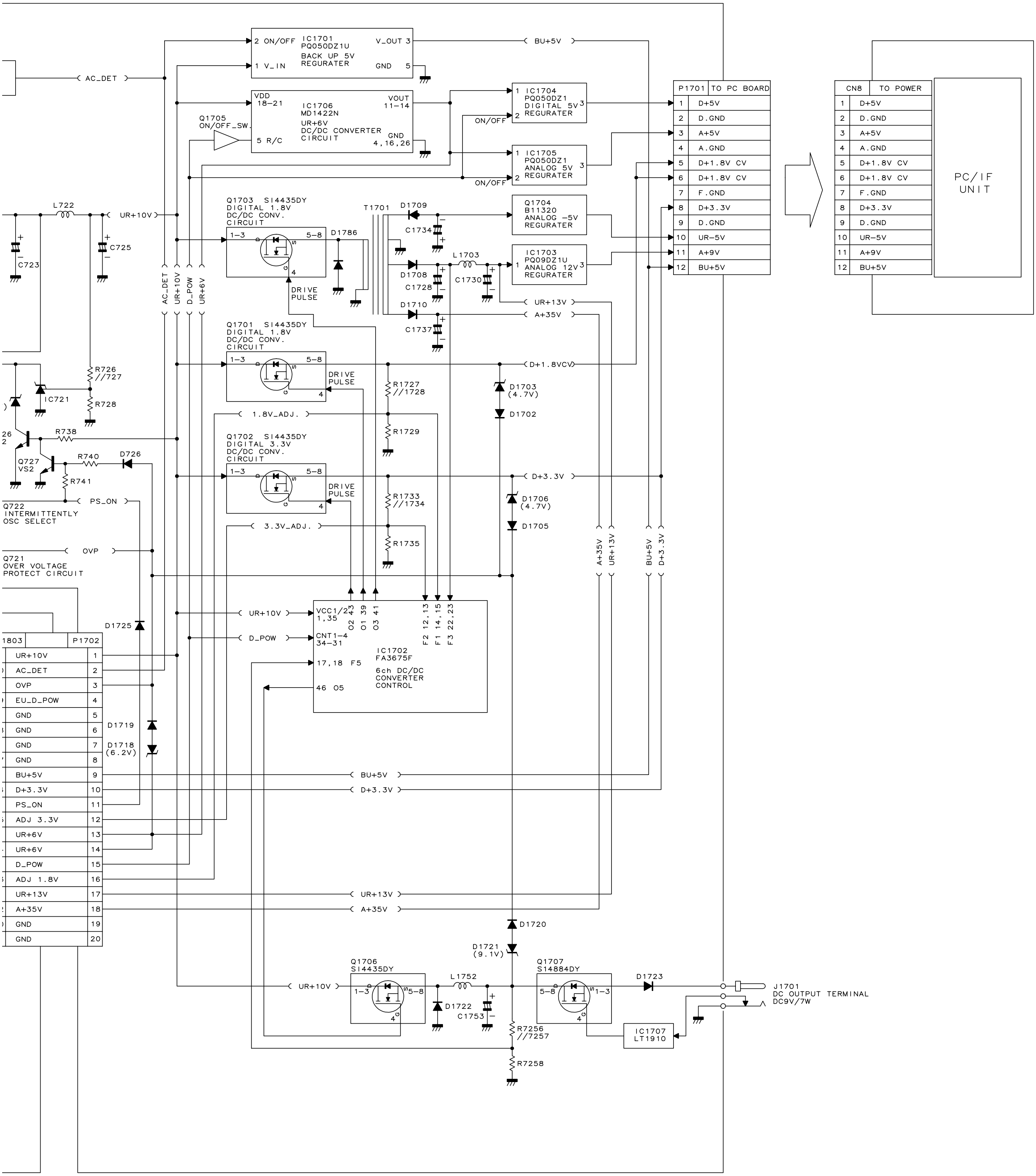
SIGNAL FLOW BLOCK DIAGRAM (AVC System)


H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
TU1101 TUNER(MAIN)
TU1102 TUNER(SUB)
IC1101 KA7805AP 5V REG.
IC1103 KA7805AP 5V REG.
Q1111-2 BUFF.
Q1107-8 BUFF.
IC1105 M62332FP CONTROL
IC1104 BA7655AF
IC2501 MSP4448G MULTI STANDARD SOUND PROCESSOR
X2501 18.432MHz
Q1101 Q1105-6 FILTER
Q1104 Q1114-5 FILTER
IC2502 BH3543F H/P AMP
IC2506 NJM4560M L.P.F
J2402 HEAD_PHON
Q2501 MUTE
IC2514 TC7SH08U LEVEL SHIFT
IC2515 TCHCT32F LEVEL SHIFT
IC2518 NJU26150 SOUND DSP
X2601 24.567MHz
X2602 24.567MHz
IC2521 NJU16106 VIRTUAL_DOLBY
IC2519 A707WJN1 EEPROM
IC2505 BA4560F L.P.F
Q2518 SW
Q2507 BUFF.
Q2508 BUFF.
Q2511 MUTE
Q2512 MUTE
Q2602
Q2601
Q1103 MUTE SW.
Q1102 MUTE SW.
Q2503 BUFF.
Q2502 BUFF.
IC2504 BA4560F L.P.F
Q1401 BUFF.
Q1402 BUFF.
Q1403 BUFF.
SC1102 1/2 S-VIDEO OUT
J1104 1/3 MONITOR OUTPUT
J2401 S-VIDEO-4 IN
J2404 INPUT4 VIDEO
SC1102 1/2 S-VIDEO-3 IN
J1104 1/3 INPUT3 VIDEO
SC1101 1/2 S-VIDEO-2 IN
J1103 1/3 INPUT2 VIDEO
SC1101 1/2 S-VIDEO-1 IN
J1103 1/3 INPUT1 VIDEO
J2403 PC_SOUND_IN
J1103 1/3 INPUT1 COMPONENT
J1104 1/3 INPUT3 COMPONENT
IC1301 CXA2069Q AV SWITCH
MAIN TUNER IN
SUB TUNER IN
MONITOR OUTPUT
TV MAIN OUT
VIDEO4/ FRONT IN
VIDEO3
VIDEO2
VIDEO1
TV SUB OUT
PC IN
Q1409 BUFF.
Q1410 BUFF.
Q827 BUFF.
Q828 BUFF.
Q7007-8 BUFF.
IC7001 PD64084 Y/C SEPARATE
IC7003 TK15420 VIDEO_AMP
FL7004 6MHz B.P.F
FL7005 3.58MHz B.P.F
Q7051 BUFF.
Q7014
Q7013
Q403 BUFF.
Q404 BUFF.
IC801 TB1274AF MAIN VIDEO CHROMA
X801 16.2M
IC802 TB1274AF SUB VIDEO CHROMA
X802 16.2M
IC1401 IXM1519XQ AV SWITCH
IC1652 AD8185
IC1653 VHCT125A
IC1654 NC7WZ14P
Q1652 SW.
IC1650 SiL907B DVI D/A
SC1650 INOUT3 DVI-D
IC1651 24LC261N
Q1651
Q1650
IC1604 T7WT240U
IC1602 IXA837WJ CCD+V_CHIP
IC1605 RESET
IC1601 IXA837WJ V_CHIP
IC2507 NJ2233BM
IC2508 NJ2233BM
IC402 TC90A69 SUB COMB FILTER
IC404 FMS6414 L.P.F
Q407-8 BUFF.
Q417-8 B.P.F
Q830 BUFF
IC808 1/3 TC7W34U BUFF.
FROM_FAN_UNIT (PIN2 OF P5702)
SCL3
SDA3
SCL2
SDA2
S_MUTE
HP_MUTE
SRESET
MAIN.L
MAIN.R
SUB.V
SUB.C
TV_COL1
TV_COL2
CC.BOX
DVI_H
DVI_V
SP_PLUG
FAN_LOCK

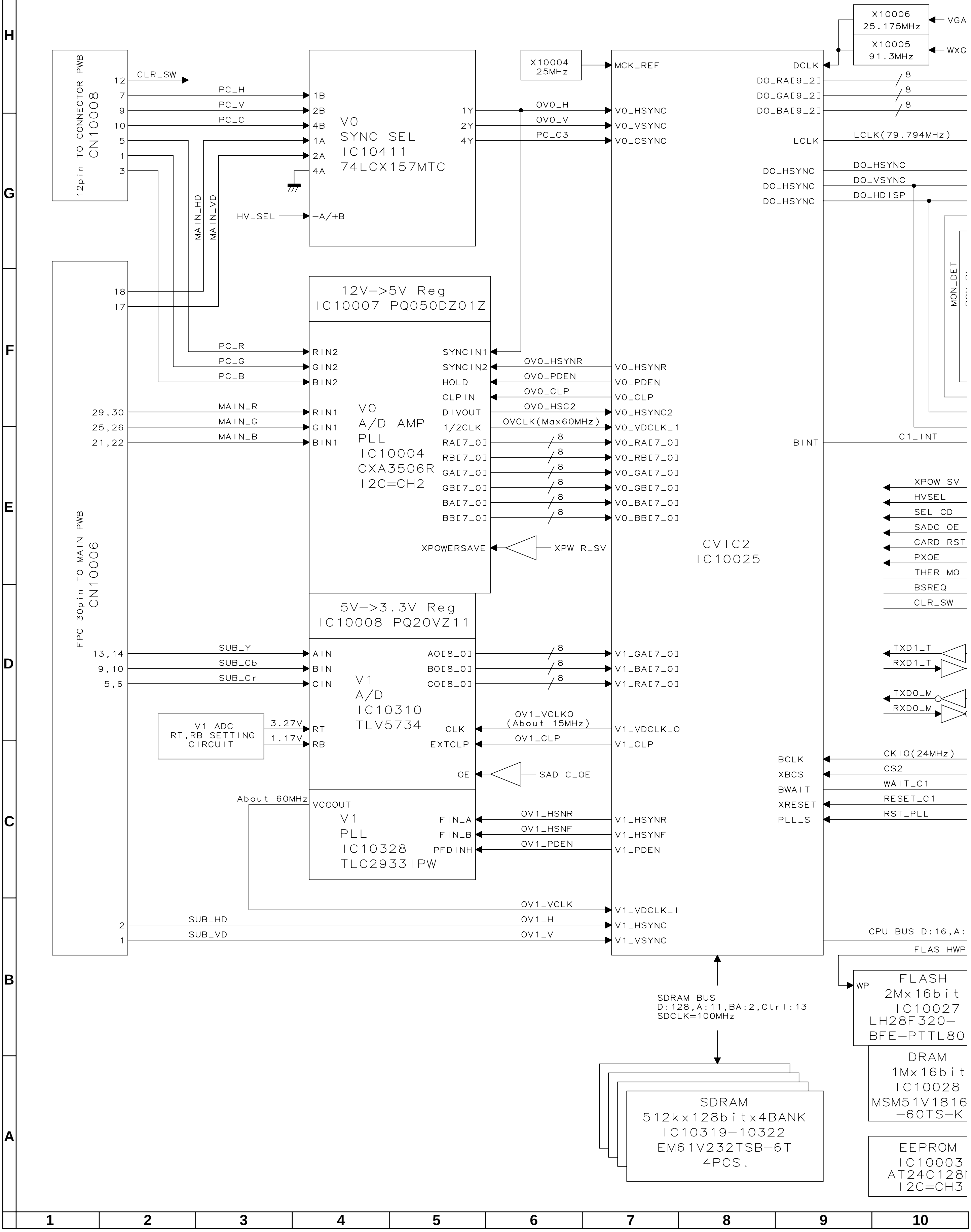

IC2519
A707WJN1
EEPROM
IC2513
+2.5V_REG
SP_L
SP_R
Q2408 SW.
Q2407 SW.
Q2406 SW.
Q2405 SW.
Q2404 SW.
D2410
RED
GREEN
BACK5V
Q1502 SW.
Q1503 SW.
Q7207 SW.
Q1504 SW.
D1502
PS_ON
PS_ON TO BASE OF Q722 (TO POWER BLOCK)
IC1503
M62320FP
CONTROL
IC1502
M62393FP
DAC
IC1504
TC7W53U
Q1507 SW.
Q1512 SW.
Q1509 SW.
Q1508 SW.
IC1508
BD4729G
RESET
UR10V
D1503
D_POW/D_POW_TU
D1505
P+BADJ2 (TO POWER BLOCK)
P+BADJ1 (TO POWER BLOCK)
SC6000
DISPLAY
OUTPUT-2
SP_L
SP_R
RXDO_M
SENCE
SMPOW
CCKM
CSEN1
CSEN2
SRST
FLASH_W
TXDO_M
VD+5VBK
Q6009 SW.
IC2503
BD4742G
RESET
Q2506 SW.
SRESET
HP_MUTE
L.MUTE
Q2513 SW.
Q2510 SW.
Q2509 SW.
ID2502
SCL1
SDA1
SCL2
SDA2
SCL3
SDA3
SCL3_1
SDA3_1
Y_GAIN
CB_GAIN
CR_GAIN
IC801
TB1274AF
MAIN
VIDEO CHROMA
IC813
BA7655AF
VIDEO
LEVEL ADJ.
IC814
BA7655AF
VIDEO
LEVEL ADJ.
Q842-4 PEAKING
Q816 BUFF.
Q814 BUFF.
Q815 BUFF.
P801
IC803
CXA2101Q
RGB DECODER
IC807 2/3
TC7W34U
BUFF.
Q801 BUFF.
Q802 BUFF.
Q803 BUFF.
Q809 BUFF.
Q804 BUFF.
IC808
TC7W34U
BUFF.
FL810 SM5301AS
30/6.7MHz L.P.F
IC7200
IX3289CE AUTO-WIDE
Q7206
Q7201
CF7201 8.0MHz
VDM
HDM
AFT2
AFT1
R_OUT
G_OUT
B_OUT
AWCS_W
D_CLK
D_DATAOUT
IC802
TB1274AF
SUB
VIDEO CHROMA
X801 16.2MHz
X802 16.2MHz
Q901-2 Y_OUT 6.7MHz L.P.F
Q905-6 CB_OUT 6.7MHz L.P.F
Q903-4 CR_OUT 6.7MHz L.P.F
IC1902
M62320FP
CONTROL
IC1901
IXA392WJ
PLD
P1901
IC604
TA1318AF
SYNC SEP.
X601 500kHz
X1901 16MHz
IC7203
PCA9515P
I2C_BUSS
REPEATER
IC1506
BR24C08F
E2PROM
IC1501
PCA9515P
I2C_BUSS
REPEATER
HDS
VDS
TV_COL1
TV_COL2
SP_PLUG
SC6001 SP_IN_TERMINAL
SC6002 EXT. SP TERMINAL
SMPOW FROM PIN16 OF SC1502
STA_POW FROM PIN42 OF SC1502
CVIC_ADJ FROM PIN45 OF SC1502
SYNCDETSW FROM PIN41 OF SC1502
SRESET TO PIN48 OF SC1502
HP_MUTE FROM PIN25 OF SC1502
SCL1 TP PIN14 OF SC1502
SDA1 TP PIN13 OF SC1502
SCL2 TP PIN18 OF SC1502
SDA2 TP PIN17 OF SC1502
LMUTE1 FROM PIN27 OF SC1502
VD+5VBK FROM PIN11 OF P6000
SENCE FROM PIN14 OF P6000
SMPOW FROM PIN12 OF P6000
RXDO_M TO PIN9 OF P6000
TXDO_M FROM PIN8 OF P6000
CCKM TO PIN6 OF P6000
FLASH_W FROM PIN5 OF P6000
SRST FROM PIN4 OF P6000
CSEN2 FROM PIN2 OF P6000
CSEN1 FROM PIN1 OF P6000
MAIN_VD TO PIN14 OF SC1501
MAIN_HD TO PIN13 OF SC1501
AFT_2 TO PIN2 OF SC1502
AFT_1 TO PIN1 OF SC1502
MAIN_R TO PIN1,2 OF SC1501
MAIN_G TO PIN5,6 OF SC1501
MAIN_B TO PIN9,10 OF SC1501
AGC_1 TO PIN3 OF SC1502
P_SEL1 TO PIN31 OF SC1502
AWCS_WCN TO PIN34 OF SC1502
D_CLKCN TO PIN35 OF SC1502
D_DATACN TO PIN38 OF SC1502
SUB_Y TO PIN17,18 OF SC1501
SUB_CB TO PIN21,22 OF SC1501
SUB_CR TO PIN25,26 OF SC1501
SCL3 TP PIN22 OF SC1502
SDA3 TP PIN21 OF SC1502
SUB_HD TO PIN29 OF SC1501
SUB_VD TO PIN30 OF SC1501
TV_COL1 TO PIN49 OF SC1502
TV_COL2 TO PIN50 OF SC1502
10
11
12
13
14
15
16
17
18
19

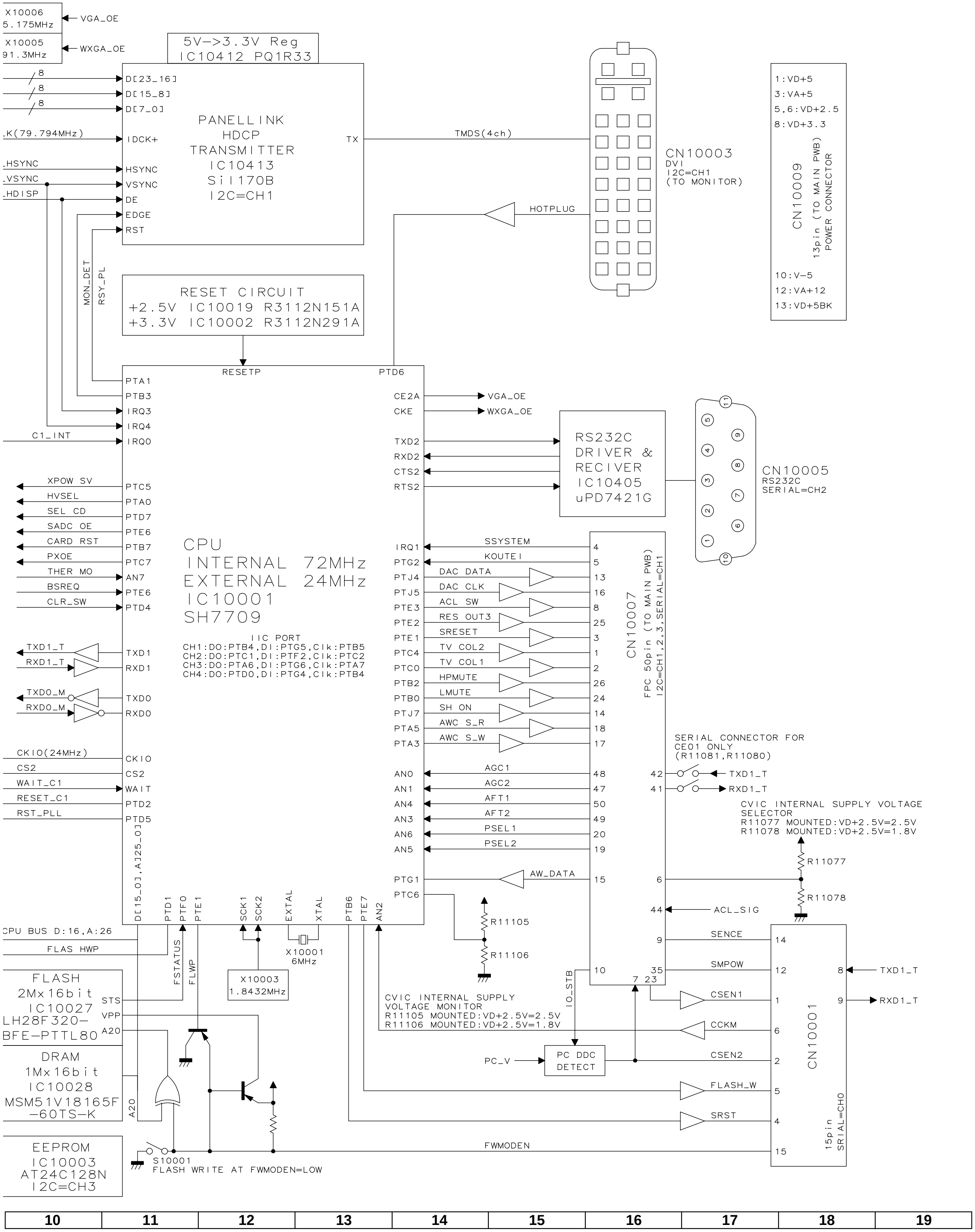
POWER SYSTEM BLOCK DIAGRAM (AVC System)


H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
AC power supply
SC701
AC(L) 1
AC(N) 2
F701
2A 250V
VA701
R711
C701
L701
C702
C703
C704
C714
L703
C705
SW701
POWER SWITCH
R712
//713
R714
//715
D702
PC701
Q724–5,
D724
AC_DET
D701
T701
C715
D721
L722
C722
C723
IC701
MR2520
POWER CONTROLLER
D
G
S
D703
C707
R705
C712
C713
C708
Q702
SW
D704
C709
D707
(27V)
R706
D706
R707
C710
D709
Q701
SW
PC702
R729
PC704
R733
PC703
R731
Q703
VS2
D711
(16V)
D725
(5.6V)
IC721
Q726
VS2
R738
Q727
VS2
R740
R741
Q722
INTERMITTENTLY
OSC SELECT
PS_
Q721
OVER VOLTAGE
PROTECT CIRCUIT
OVP
IC1101
TUNER_5V
REGURATER
BA05SFP
TU1101
U/V_TUNER
Q1109,D1110
BT_31V
REGURATER
RH-EX0674GEZZ
IC1103
TUNER_5V
REGURATER
BA05SFP
TU1102
U/V_TUNER
Q1110,D1105
BT_31V
REGURATER
RH-EX0674GEZZ
IC5701
ANALOG_9V
REGURATER
BA09SFP
AV_SYSTEMS
IC
IC5702
ANALOG_8V
REGURATER
BA08SFP
IC5703
FAN_5V
REGURATER
PQ05RD08
RADIATOR_FAN
IC5706
DIGITAL_3.3V
REGURATER
BAQ033FP
IC5704
DIGITAL_5V
REGURATER
PQ05RD11
IC1650
HDCP_LSI
SII9017
IC1601, IC1602
V-CHIP
CIRCUIT
IC2518, IC2521
SOUND_DSP
VIRTUAL_DOLBY
AV UNIT
D_POW
(From MAIN UNIT)
P5701
P1801
UR+35V 1
GND 2
UR+13V 3
GND 4
UR+10V 5
GND 6
UR+6V 7
GND 8
BU+5V 9
INSIDE OF MAIN CIRCUIT
LORD CIRCUIT
ANALOG 9V
DIGITAL 3.3V
BACK UP 5V
ANALOG 5V1(A)
ANALOG 5V2(A)
DIGITAL 5V
IC1804
ANALOG 9V
REGURATER IC
PQ070XH2
IC1801
ANALOG 5V(1)
REGURATER IC
PQ070XH2
IC1802
ANALOG 5V(2)
REGURATER IC
PQ070XH2
IC1803
DIGITAL 5V
REGURATER IC
PQ070XH2
R1817
Q1801
SW
Q1802
SW
P1803
P1702
1 UR+10V 1
20 AC_DET 2
2 OVP 3
19 EU_D_POW 4
3 GND 5
18 GND 6
4 GND 7
17 GND 8
5 BU+5V 9
16 D+3.3V 10
6 PS_ON 11
15 ADJ 3.3V 12
7 UR+6V 13
14 UR+6V 14
8 D_POW 15
13 ADJ 1.8V 16
9 UR+13V 17
12 A+35V 18
10 GND 19
11 GND 20
MAIN UNIT
IC1503
EXTENSION I/O IC
M62320FP
(POWER START UP
CONTROL)
It controls from
a monitor.
SM_POW
SCL1
SDA1
IC1502
DAC IC
M62393FP
(OUTPUT VOLTAGE
ADJ. CONTROL)

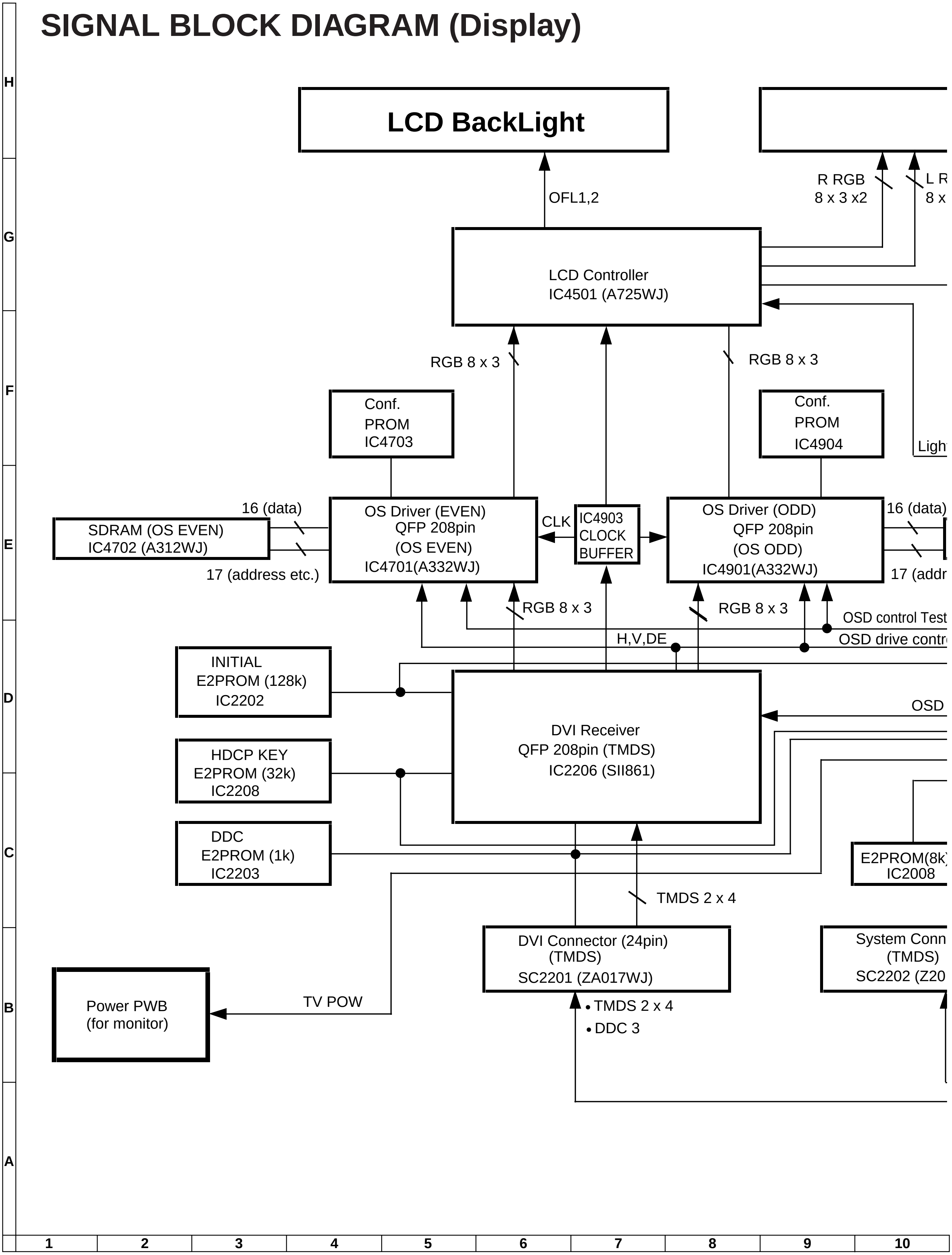

IC1701
PQ050DZ1U
BACK UP 5V
REGURATER
2 ON/OFF
1 V_IN
V_OUT 3
GND 5
BU+5V
AC_DET
VDD
18-21
IC1706
MD1422N
UR+6V
DC/DC CONVERTER
CIRCUIT
VOUT
11-14
GND
4,16,26
5 R/C
Q1705
ON/OFF_SW.
1 IC1704
PQ050DZ1
DIGITAL 5V
REGURATER
2 ON/OFF
1 IC1705
PQ050DZ1
ANALOG 5V
REGURATER
Q1704
B11320
ANALOG -5V
REGURATER
IC1703
PQ09DZ1U
ANALOG 12V
REGURATER
P1701 TO PC BOARD
1 D+5V
2 D.GND
3 A+5V
4 A.GND
5 D+1.8V CV
6 D+1.8V CV
7 F.GND
8 D+3.3V
9 D.GND
10 UR-5V
11 A+9V
12 BU+5V
CN8 TO POWER
1 D+5V
2 D.GND
3 A+5V
4 A.GND
5 D+1.8V CV
6 D+1.8V CV
7 F.GND
8 D+3.3V
9 D.GND
10 UR-5V
11 A+9V
12 BU+5V
PC/IF
UNIT
L722
UR+10V
C723
C725
Q1703 SI4435DY
DIGITAL 1.8V
DC/DC CONV.
CIRCUIT
1-3
5-8
4
DRIVE
PULSE
D1786
T1701
D1709
C1734
D1708
C1728
L1703
C1730
D1710
C1737
UR+13V
A+35V
AC_DET
UR+10V
D_POW
UR+6V
Q1701 SI4435DY
DIGITAL 1.8V
DC/DC CONV.
CIRCUIT
DRIVE
PULSE
D+1.8VCV
R1727
//1728
D1703
(4.7V)
D1702
R1729
1.8V_ADJ.
R726
//727
IC721
R728
R738
26
2
Q727
VS2
R740
D726
R741
PS_ON
Q722
INTERMITTENTLY
OSC SELECT
Q1702 SI4435DY
DIGITAL 3.3V
DC/DC CONV.
CIRCUIT
DRIVE
PULSE
D+3.3V
R1733
//1734
D1706
(4.7V)
D1705
R1735
3.3V_ADJ.
OVP
Q721
OVER VOLTAGE
PROTECT CIRCUIT
A+35V
UR+13V
BU+5V
D+3.3V
VCC1/2
1,35
O2 43
O1 39
O3 41
F2 12,13
F1 14,15
F3 22,23
CNT1-4
34-31
17,18 F5
46 O5
IC1702
FA3675F
6ch DC/DC
CONVERTER
CONTROL
UR+10V
D_POW
D1725
1803
P1702
UR+10V 1
AC_DET 2
OVP 3
EU_D_POW 4
GND 5
GND 6
GND 7
GND 8
BU+5V 9
D+3.3V 10
PS_ON 11
ADJ 3.3V 12
UR+6V 13
UR+6V 14
D_POW 15
ADJ 1.8V 16
UR+13V 17
A+35V 18
GND 19
GND 20
D1719
D1718
(6.2V)
BU+5V
D+3.3V
UR+13V
A+35V
D1720
D1721
(9.1V)
Q1706
SI4435DY
1-3
5-8
4
L1752
D1722
C1753
Q1707
SI4884DY
5-8
1-3
4
D1723
R7256
//7257
R7258
IC1707
LT1910
J1701
DC OUTPUT TERMINAL
DC9V/7W

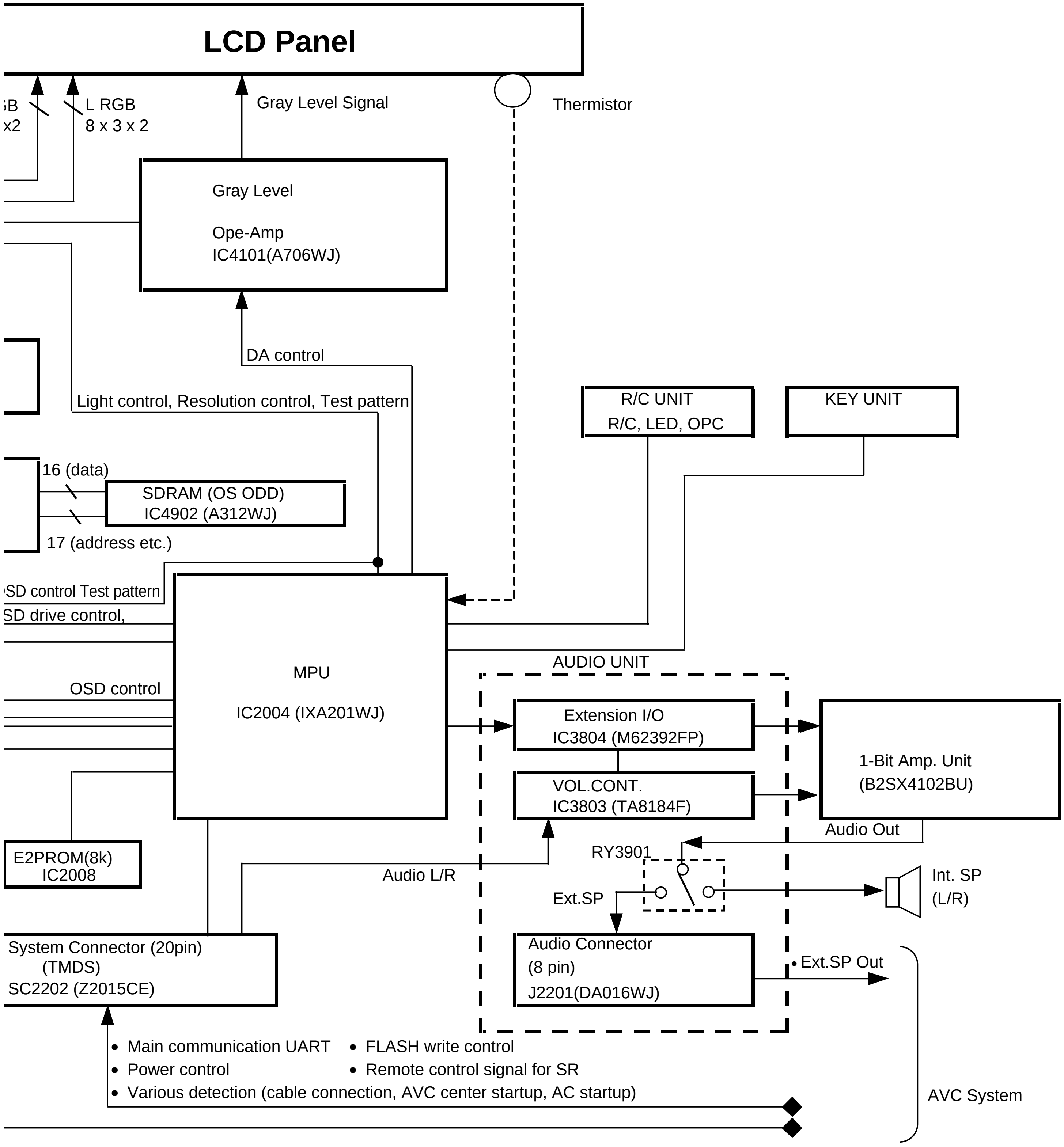
PC I/F UNIT BLOCK DIAGRAM (AVC System)


H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
12pin TO CONNECTOR PWB
CN10008
12
7
9
10
5
1
3
CLR_SW
PC_H
PC_V
PC_C
MAIN_HD
MAIN_VD
HV_SEL
1B
2B
4B
1A
2A
4A
-A/+B
1Y
2Y
4Y
V0
SYNC SEL
IC10411
74LCX157MTC
X10004
25MHz
MCK_REF
X10006
25.175MHz
VGA
X10005
91.3MHz
WXG
DCLK
DO_RA[9_2]
DO_GA[9_2]
DO_BA[9_2]
8
LCLK
LCLK(79.794MHz)
DO_HSYNC
DO_VSYNC
DO_HDISP
MON_DET
OV0_H
OV0_V
PC_C3
V0_HSYNC
V0_VSYNC
V0_CSYNC
FPC 30pin TO MAIN PWB
CN10006
18
17
29,30
25,26
21,22
13,14
9,10
5,6
2
1
12V->5V Reg
IC10007 PQ050DZ01Z
PC_R
PC_G
PC_B
RIN2
GIN2
BIN2
MAIN_R
MAIN_G
MAIN_B
RIN1
GIN1
BIN1
V0
A/D AMP
PLL
IC10004
CXA3506R
I2C=CH2
SYNCIN1
SYNCIN2
HOLD
CLPIN
DIVOUT
1/2CLK
RA[7_0]
RB[7_0]
GA[7_0]
GB[7_0]
BA[7_0]
BB[7_0]
OV0_HSYNR
OV0_PDEN
OV0_CLP
OV0_HSC2
OVCLK(Max60MHz)
V0_HSYNR
V0_PDEN
V0_CLP
V0_HSYNC2
V0_VDCLK_1
V0_RA[7_0]
V0_RB[7_0]
V0_GA[7_0]
V0_GB[7_0]
V0_BA[7_0]
V0_BB[7_0]
XPOWERSAVE
XPW R_SV
CVIC2
IC10025
BINT
C1_INT
XPOW SV
HVSEL
SEL CD
SADC OE
CARD RST
PXOE
THER MO
BSREQ
CLR_SW
TXD1_T
RXD1_T
TXD0_M
RXD0_M
5V->3.3V Reg
IC10008 PQ20VZ11
SUB_Y
SUB_Cb
SUB_Cr
AIN
BIN
CIN
V1
A/D
IC10310
TLV5734
AO[8_0]
BO[8_0]
CO[8_0]
V1_GA[7_0]
V1_BA[7_0]
V1_RA[7_0]
V1 ADC
RT,RB SETTING
CIRCUIT
3.27V
1.17V
RT
RB
CLK
EXTCLP
OE
OV1_VCLKO
(About 15MHz)
OV1_CLP
SAD C_OE
V1_VDCLK_O
V1_CLP
BCLK
XBCS
BWAIT
XRESET
PLL_S
CKIO(24MHz)
CS2
WAIT_C1
RESET_C1
RST_PLL
About 60MHz
VCOOUT
V1
PLL
IC10328
TLC2933IPW
FIN_A
FIN_B
PFDINH
OV1_HSNR
OV1_HSNF
OV1_PDEN
V1_HSYNR
V1_HSYNF
V1_PDEN
OV1_VCLK
V1_VDCLK_I
SUB_HD
SUB_VD
OV1_H
OV1_V
V1_HSYNC
V1_VSYNC
CPU BUS D:16,A:
FLAS HWP
WP
FLASH
2Mx16bit
IC10027
LH28F320-
BFE-PTTL80
DRAM
1Mx16bit
IC10028
MSM51V1816
-60TS-K
SDRAM BUS
D:128,A:11,BA:2,Ctrl:13
SDCLK=100MHz
SDRAM
512kx128bitx4BANK
IC10319-10322
EM61V232TSB-6T
4PCS.
EEPROM
IC10003
AT24C128
I2C=CH3


X10006
5.175MHz
VGA_OE
X10005
91.3MHz
WXGA_OE
5V->3.3V Reg
IC10412 PQ1R33
8
8
8
D[23_16]
D[15_8]
D[7_0]
PANELLINK
HDCP
TRANSMITTER
IC10413
SiI170B
I2C=CH1
_K(79.794MHz)
IDCK+
TX
TMDS(4ch)
_HSYNC
_VSYNC
_HDISP
HSYNC
VSYNC
DE
EDGE
RST
HOTPLUG
CN10003
DVI
I2C=CH1
(TO MONITOR)
1:VD+5
3:VA+5
5,6:VD+2.5
8:VD+3.3
CN10009
13pin (TO MAIN PWB)
POWER CONNECTOR
10:V-5
12:VA+12
13:VD+5BK
MON_DET
RSY_PL
RESET CIRCUIT
+2.5V IC10019 R3112N151A
+3.3V IC10002 R3112N291A
RESETP
PTD6
PTA1
PTB3
IRQ3
IRQ4
IRQ0
C1_INT
CE2A
CKE
VGA_OE
WXGA_OE
TXD2
RXD2
CTS2
RTS2
RS232C
DRIVER &
RECIVER
IC10405
uPD7421G
CN10005
RS232C
SERIAL=CH2
XPOW SV
HVSEL
SEL CD
SADC OE
CARD RST
PXOE
THER MO
BSREQ
CLR_SW
PTC5
PTA0
PTD7
PTE6
PTB7
PTC7
AN7
PTE6
PTD4
CPU
INTERNAL 72MHz
EXTERNAL 24MHz
IC10001
SH7709
IIC PORT
CH1:DO:PTB4,DI:PTG5,Clk:PTB5
CH2:DO:PTC1,DI:PTF2,Clk:PTC2
CH3:DO:PTA6,DI:PTG6,Clk:PTA7
CH4:DO:PTD0,DI:PTG4,Clk:PTB4
IRQ1
PTG2
PTJ4
PTJ5
PTE3
PTE2
PTE1
PTC4
PTC0
PTB2
PTB0
PTJ7
PTA5
PTA3
SSYSTEM
KOUTEI
DAC DATA
DAC CLK
ACL SW
RES OUT3
SRESET
TV COL2
TV COL1
HPMUTE
LMUTE
SH ON
AWC S_R
AWC S_W
CN10007
FPC 50pin (TO MAIN PWB)
I2C=CH1,2,3,SERIAL=CH1
TXD1_T
RXD1_T
TXD1
RXD1
TXD0_M
RXD0_M
TXD0
RXD0
SERIAL CONNECTOR FOR
CE01 ONLY
(R11081,R11080)
42
41
TXD1_T
RXD1_T
CKIO(24MHz)
CS2
WAIT_C1
RESET_C1
RST_PLL
CKIO
CS2
WAIT
PTD2
PTD5
AN0
AN1
AN4
AN3
AN6
AN5
AGC1
AGC2
AFT1
AFT2
PSEL1
PSEL2
CVIC INTERNAL SUPPLY VOLTAGE
SELECTOR
R11077 MOUNTED:VD+2.5V=2.5V
R11078 MOUNTED:VD+2.5V=1.8V
R11077
R11078
PTG1
PTC6
AW_DATA
ACL_SIG
D[15_0],A[25_0]
PTD1
PTF0
PTE1
SCK1
SCK2
EXTAL
XTAL
PTB6
PTE7
AN2
R11105
R11106
CPU BUS D:16,A:26
FLAS HWP
X10001
6MHz
X10003
1.8432MHz
FSTATUS
FLWP
IO_STB
SENCE
SMPOW
CSEN1
CCKM
CSEN2
FLASH_W
SRST
FWMODEN
CN10001
15pin
SRIAL=CH0
TXD1_T
RXD1_T
FLASH
2Mx16bit
IC10027
LH28F320-
BFE-PTTL80
STS
VPP
A20
DRAM
1Mx16bit
IC10028
MSM51V18165F
-60TS-K
A20
CVIC INTERNAL SUPPLY
VOLTAGE MONITOR
R11105 MOUNTED:VD+2.5V=2.5V
R11106 MOUNTED:VD+2.5V=1.8V
PC_V
PC DDC
DETECT
EEPROM
IC10003
AT24C128N
I2C=CH3
S10001
FLASH WRITE AT FWMODEN=LOW
10
11
12
13
14
15
16
17
18
19

SIGNAL BLOCK DIAGRAM (Display)


LCD BackLight
OFL1,2
R RGB
8 x 3 x2
L R
8 x
LCD Controller
IC4501 (A725WJ)
RGB 8 x 3
RGB 8 x 3
Conf.
PROM
IC4703
Conf.
PROM
IC4904
Ligh
16 (data)
SDRAM (OS EVEN)
IC4702 (A312WJ)
17 (address etc.)
OS Driver (EVEN)
QFP 208pin
(OS EVEN)
IC4701(A332WJ)
CLK
IC4903
CLOCK
BUFFER
OS Driver (ODD)
QFP 208pin
(OS ODD)
IC4901(A332WJ)
16 (data)
17 (addr
RGB 8 x 3
RGB 8 x 3
OSD control Test
H,V,DE
OSD drive contr
INITIAL
E2PROM (128k)
IC2202
DVI Receiver
QFP 208pin (TMDS)
IC2206 (SII861)
OSD
HDCP KEY
E2PROM (32k)
IC2208
DDC
E2PROM (1k)
IC2203
E2PROM(8k
IC2008
TMDS 2 x 4
DVI Connector (24pin)
(TMDS)
SC2201 (ZA017WJ)
System Conn
(TMDS)
SC2202 (Z20
Power PWB
(for monitor)
TV POW
• TMDS 2 x 4
• DDC 3
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10


LCD Panel
L RGB
8 x 3 x 2
Gray Level Signal
Thermistor
Gray Level
Ope-Amp
IC4101(A706WJ)
DA control
Light control, Resolution control, Test pattern
R/C UNIT
R/C, LED, OPC
KEY UNIT
16 (data)
SDRAM (OS ODD)
IC4902 (A312WJ)
17 (address etc.)
SD control Test pattern
SD drive control,
MPU
IC2004 (IXA201WJ)
OSD control
AUDIO UNIT
Extension I/O
IC3804 (M62392FP)
VOL.CONT.
IC3803 (TA8184F)
1-Bit Amp. Unit
(B2SX4102BU)
Audio Out
RY3901
Ext.SP
Int. SP
(L/R)
E2PROM(8k)
IC2008
Audio L/R
System Connector (20pin)
(TMDS)
SC2202 (Z2015CE)
Audio Connector
(8 pin)
J2201(DA016WJ)
Ext.SP Out
Main communication UART
FLASH write control
Power control
Remote control signal for SR
Various detection (cable connection, AVC center startup, AC startup)
AVC System

10	11	12	13	14	15	16	17	18	19

DESCRIPTION OF SCHEMATIC DIAGRAM

VOLTAGE MEASUREMENT CONDITION:

1. When the exclusive-use AC adapter is used, the colour bar signal of colour bar generator for service is input to get the normal screen. When the audio is minimized, the voltage value is measured with the 20 kΩ/V tester.

WAVEFORM MEASUREMENT CONDITION:

1. When the exclusive-use AC adapter is used, the colour density, lightness and colour hue are set to the center position, and the signal of colour bar generator for service is observed to get waveform.
2. ➲ indicates waveform check points (See chart, waveforms are measured from point indicated to chassis ground.)

INDICATION OF RESISTOR & CAPACITOR:

RESISTOR

1. The unit of resistance "Ω" is omitted.
   (K=kΩ=1000 Ω, M=MΩ).
2. All resistors are ± 5%, unless otherwise noted.
   (J= ± 5%, F= ± 1%, D= ± 0.5%)
3. All resistors are Carbon type, unless otherwise noted.
   Ⓒ: Solid Ⓦ : Cement
   Ⓢ: Oxide Film Ⓣ : Special
   Ⓝ: Metal Coating

CAPACITOR

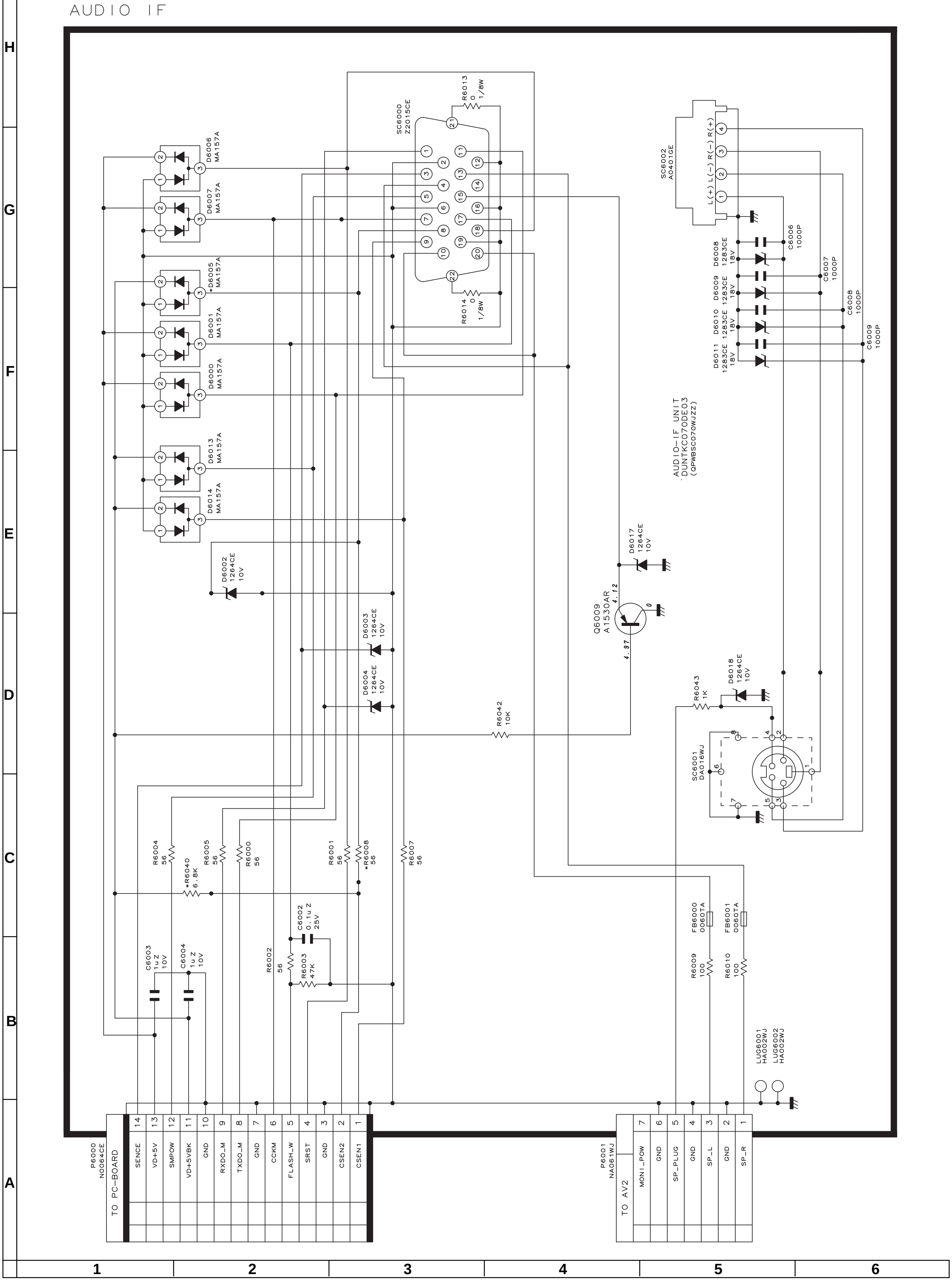
1. All capacitors are mF, unless otherwise noted.
   (P=pF=mmF).
2. All capacitors are Ceramic type, unless otherwise noted.
   (ML) : Mylar (TA) : Tantalum
   (PF) : Polypro Film (ST) : Styrol

CAUTION:
This circuit diagram is original one, therefore there may be a slight difference from yours.

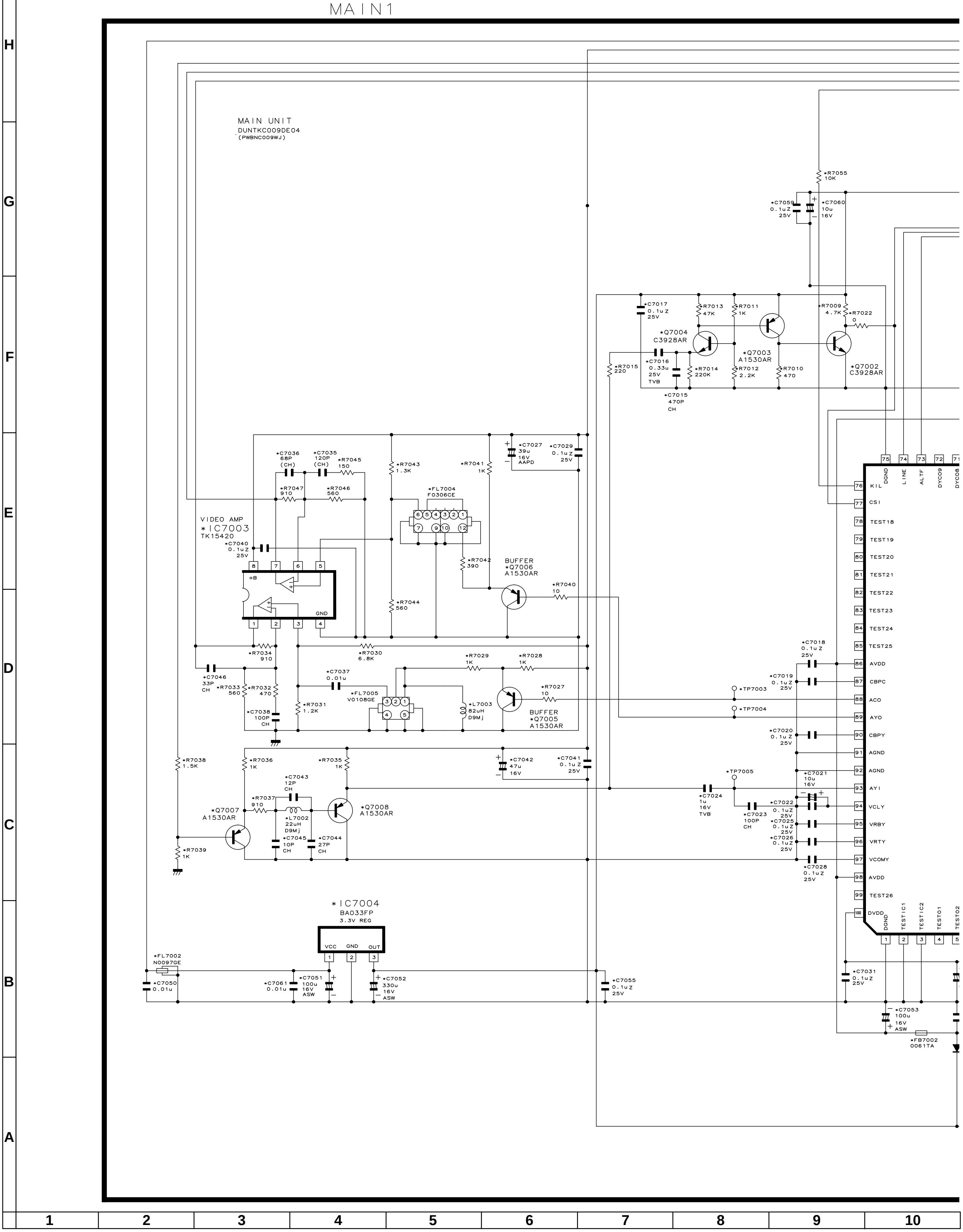
IMPORTANT SAFETY NOTICE:

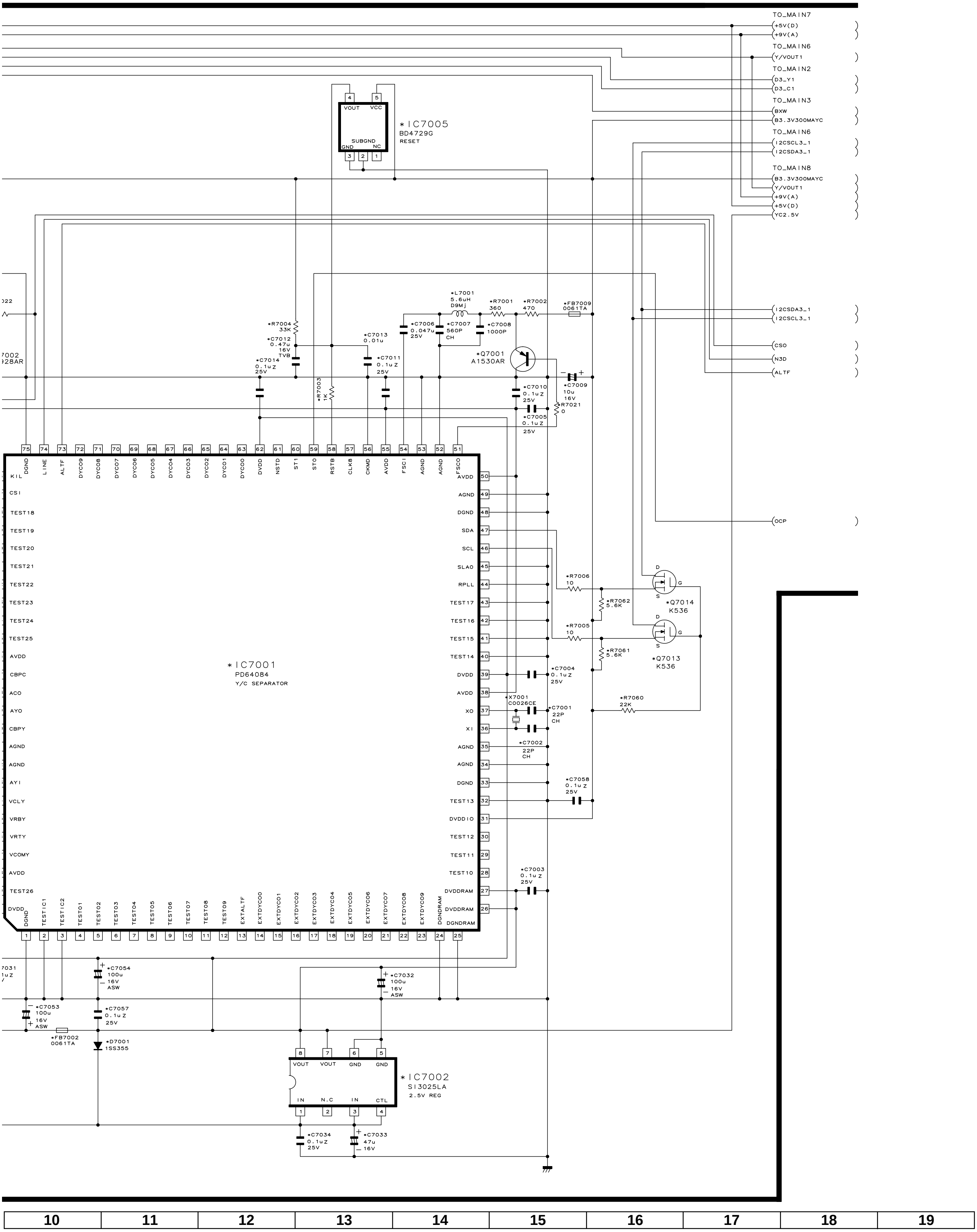
PARTS MARKED WITH "⚠" (▨)ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

■ AUDIO I/F Unit (AVC System)


AUDIO IF
H
G
F
E
D
C
B
A
1
2
3
4
5
6
SC6000
Z2015CE
R6013
0
1/8W
R6014
0
1/8W
D6006
MA157A
D6007
MA157A
D6005
MA157A
D6001
MA157A
D6000
MA157A
D6013
MA157A
D6014
MA157A
D6002
1264CE
10V
D6003
1264CE
10V
D6004
1264CE
10V
SC6002
A0401GE
L(+) L(−) R(−) R(+)
D6008
1283CE
18V
D6009
1283CE
18V
D6010
1283CE
18V
D6011
1283CE
18V
C6006
1000P
C6007
1000P
C6008
1000P
C6009
1000P
AUDIO-IF UNIT
DUNTKC070DE03
(QPWBSC070WJZZ)
D6017
1264CE
10V
Q6009
A1530AR
4.12
4.97
0
D6018
1264CE
10V
R6043
1K
R6042
10K
SC6001
DA016WJ
R6004
56
R6040
6.8K
R6005
56
R6000
56
R6001
56
R6008
56
R6007
56
C6002
0.1u Z
25V
C6003
1u Z
10V
C6004
1u Z
10V
R6002
56
R6003
47K
FB6000
0060TA
FB6001
0060TA
R6009
100
R6010
100
LUG6001
HA002WJ
LUG6002
HA002WJ
P6000
N0064CE
TO PC-BOARD
14 SENCE
13 VD+5V
12 SMPOW
11 VD+5VBK
10 GND
9 RXDO_M
8 TXDO_M
7 GND
6 CCKM
5 FLASH_W
4 SRST
3 GND
2 CSEN2
1 CSEN1
P6001
NA061WJ
TO AV2
7 MONI_POW
6 GND
5 SP_PLUG
4 GND
3 SP_L
2 GND
1 SP_R

■ MAIN Unit-1/7 (AVC System)


MAIN1
MAIN UNIT
DUNTKC009DE04
(PWBNC009WJ)
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
*R7055 10K
*C7059 0.1uZ 25V
*C7060 10u 16V
*C7017 0.1uZ 25V
*R7013 47K
*R7011 1K
*R7009 4.7K
*R7022 0
*Q7004 C3928AR
*Q7003 A1530AR
*Q7002 C3928AR
*R7015 220
*C7016 0.33u 25V TVB
*R7014 220K
*R7012 2.2K
*R7010 470
*C7015 470P CH
*C7036 68P (CH)
*C7035 120P (CH)
*R7045 150
*R7043 1.3K
*R7041 1K
*C7027 39u 16V AAPD
*C7029 0.1uZ 25V
*R7047 910
*R7046 560
*FL7004 F0306CE
VIDEO AMP
*IC7003
TK15420
*C7040 0.1uZ 25V
+B
GND
*R7042 390
BUFFER
*Q7006
A1530AR
*R7040 10
*R7044 560
*R7034 910
*R7030 6.8K
*R7029 1K
*R7028 1K
*C7046 33P CH
*R7033 560
*R7032 470
*C7037 0.01u
*FL7005 V0108GE
*R7027 10
*C7038 100P CH
*R7031 1.2K
*L7003 82uH D9Mj
BUFFER
*Q7005
A1530AR
*TP7003
*TP7004
*R7038 1.5K
*R7036 1K
*R7035 1K
*C7042 47u 16V
*C7041 0.1uZ 25V
*C7043 12P CH
*R7037 910
*L7002 22uH D9Mj
*Q7007 A1530AR
*Q7008 A1530AR
*C7045 10P CH
*C7044 27P CH
*R7039 1K
*TP7005
*C7024 1u 16V TVB
*C7023 100P CH
*C7018 0.1uZ 25V
*C7019 0.1uZ 25V
*C7020 0.1uZ 25V
*C7021 10u 16V
*C7022 0.1uZ 25V
*C7025 0.1uZ 25V
*C7026 0.1uZ 25V
*C7028 0.1uZ 25V
75 DGND
74 LINE
73 ALTF
72 DYC09
71 DYC08
76 KIL
77 CSI
78 TEST18
79 TEST19
80 TEST20
81 TEST21
82 TEST22
83 TEST23
84 TEST24
85 TEST25
86 AVDD
87 CBPC
88 ACO
89 AYO
90 CBPY
91 AGND
92 AGND
93 AYI
94 VCLY
95 VRBY
96 VRTY
97 VCOMY
98 AVDD
99 TEST26
100 DVDD
1 DGND
2 TESTIC1
3 TESTIC2
4 TEST01
5 TEST02
*IC7004
BA033FP
3.3V REG
VCC
GND
OUT
*FL7002 N0097GE
*C7050 0.01u
*C7061 0.01u
*C7051 100u 16V ASW
*C7052 330u 16V ASW
*C7055 0.1uZ 25V
*C7031 0.1uZ 25V
*C7053 100u 16V ASW
*FB7002 0061TA


TO_MAIN7
+5V(D)
+9V(A)
TO_MAIN6
Y/VOUT1
TO_MAIN2
D3_Y1
D3_C1
TO_MAIN3
BXW
B3.3V300MAYC
TO_MAIN6
I2CSCL3_1
I2CSDA3_1
TO_MAIN8
B3.3V300MAYC
Y/VOUT1
+9V(A)
+5V(D)
YC2.5V
I2CSDA3_1
I2CSCL3_1
CSO
N3D
ALTF
OCP
*IC7005
BD4729G
RESET
VOUT
VCC
SUBGND
GND
NC
*IC7001
PD64084
Y/C SEPARATOR
*IC7002
SI3025LA
2.5V REG
VOUT
VOUT
GND
GND
IN
N.C
IN
CTL
*L7001 5.6uH D9Mj
*R7001 360
*R7002 470
*FB7009 0061TA
*C7006 0.047u 25V
*C7007 560P CH
*C7008 1000P
*C7013 0.01u
*C7011 0.1uZ 25V
*R7004 33K
*C7012 0.47u 16V TVB
*C7014 0.1uZ 25V
*R7003 1K
*Q7001 A1530AR
*C7010 0.1uZ 25V
*C7009 10u 16V
*R7021 0
*C7005 0.1uZ 25V
*R7006 10
*R7062 5.6K
*Q7014 K536
*R7005 10
*R7061 5.6K
*Q7013 K536
*R7060 22K
*C7004 0.1uZ 25V
*X7001 C0026CE
*C7001 22P CH
*C7002 22P CH
*C7058 0.1uZ 25V
*C7003 0.1uZ 25V
*C7054 100u 16V ASW
*C7057 0.1uZ 25V
*C7053 100u 16V ASW
*FB7002 0061TA
*D7001 1SS355
*C7032 100u 16V ASW
*C7034 0.1uZ 25V
*C7033 47u 16V
7002
028AR
022
7031
1uZ
DGND LINE ALTF DYCO9 DYCO8 DYCO7 DYCO6 DYCO5 DYCO4 DYCO3 DYCO2 DYCO1 DYCO0 DVDD NSTD ST1 ST0 RSTB CLK8 CKMD AVDD FSCI AGND AGND FSCO
KIL CSI TEST18 TEST19 TEST20 TEST21 TEST22 TEST23 TEST24 TEST25 AVDD CBPC ACO AYO CBPY AGND AGND AYI VCLY VRBY VRTY VCOMY AVDD TEST26 DVDD
AVDD AGND DGND SDA SCL SLAO RPLL TEST17 TEST16 TEST15 TEST14 DVDD AVDD XO XI AGND AGND DGND TEST13 DVDDIO TEST12 TEST11 TEST10 DVDDRAM DVDDRAM DGNDRAM
DGND TESTIC1 TESTIC2 TEST01 TEST02 TEST03 TEST04 TEST05 TEST06 TEST07 TEST08 TEST09 EXTALTF EXTDYCO0 EXTDYCO1 EXTDYCO2 EXTDYCO3 EXTDYCO4 EXTDYCO5 EXTDYCO6 EXTDYCO7 EXTDYCO8 EXTDYCO9 DGNDRAM
10
11
12
13
14
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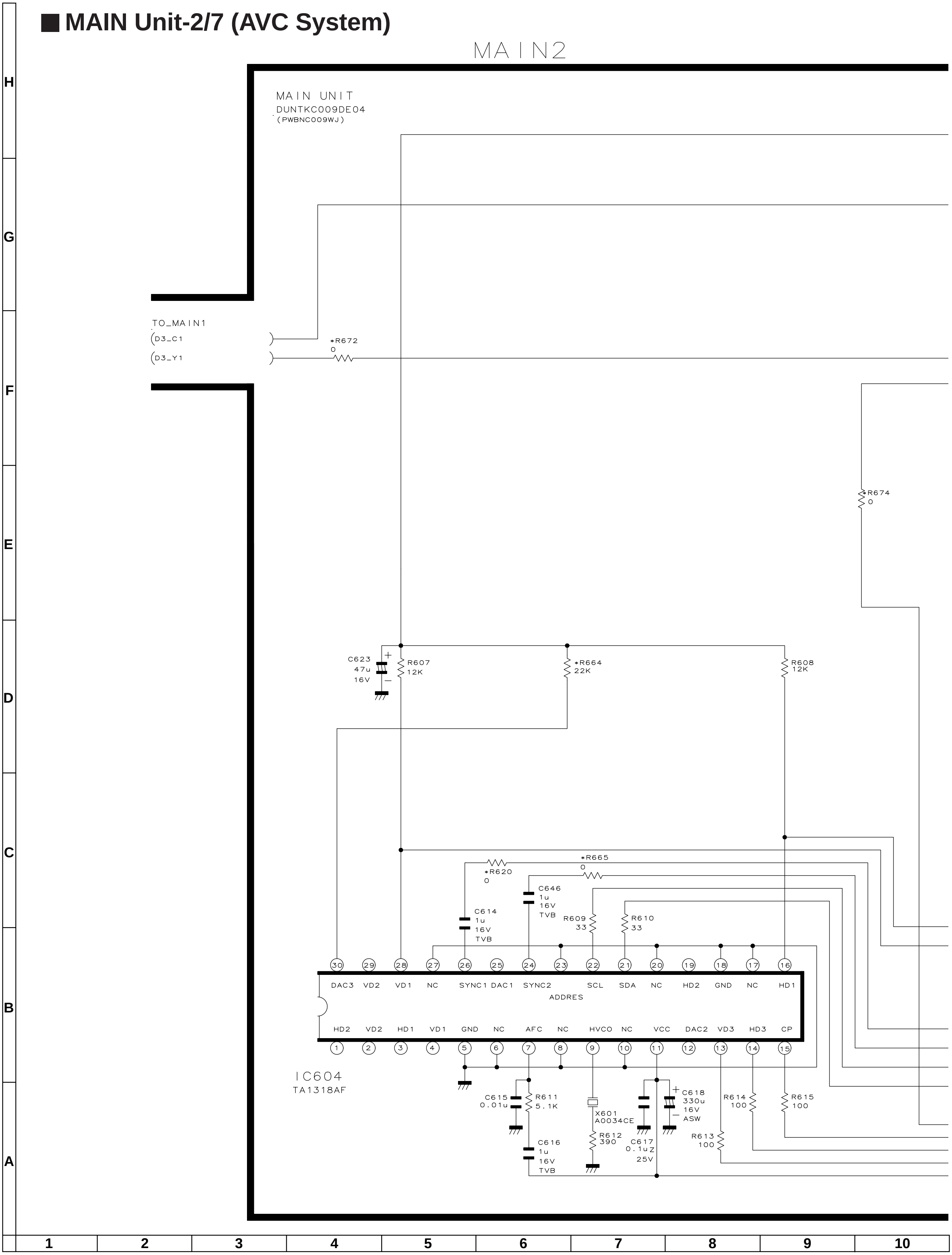
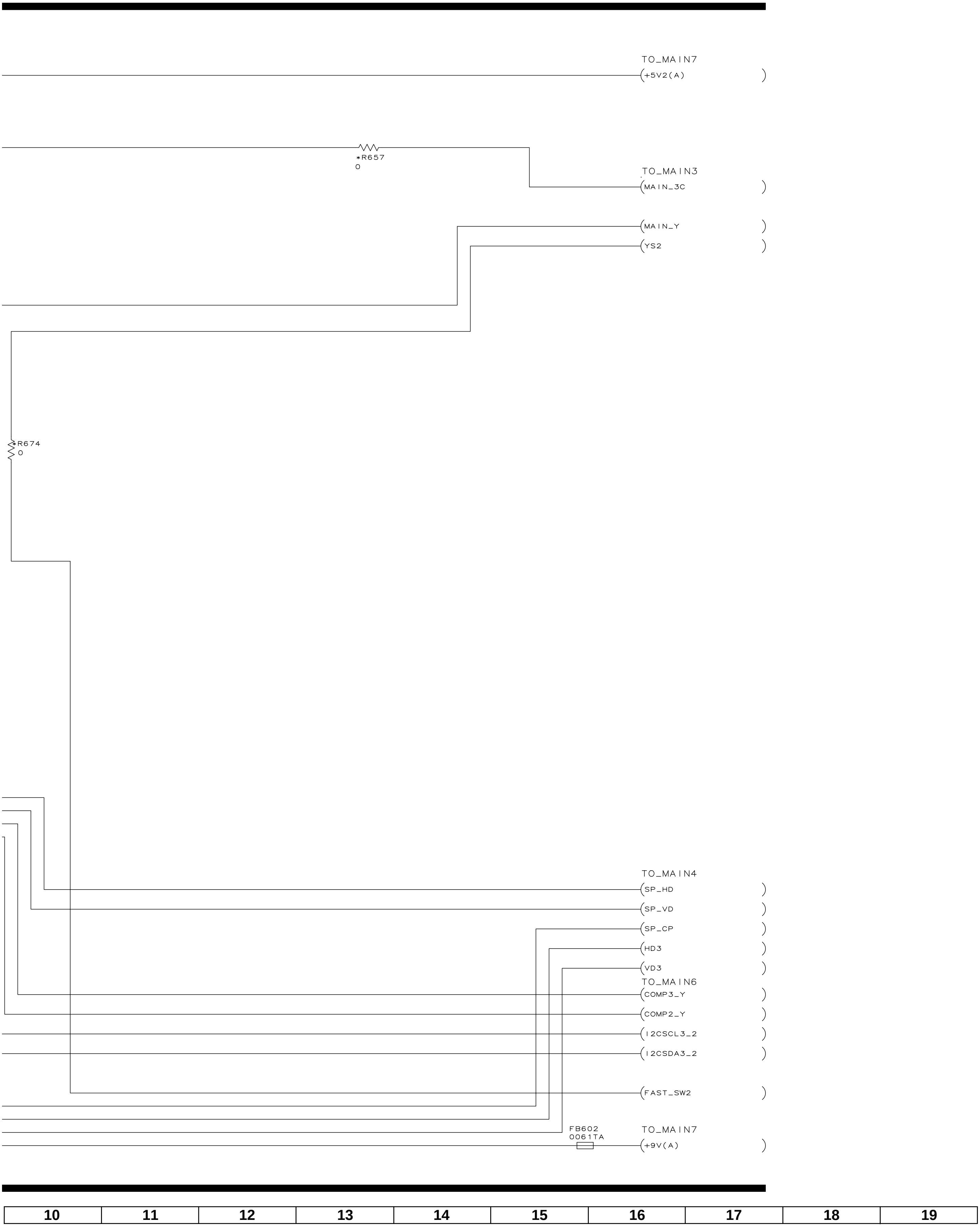
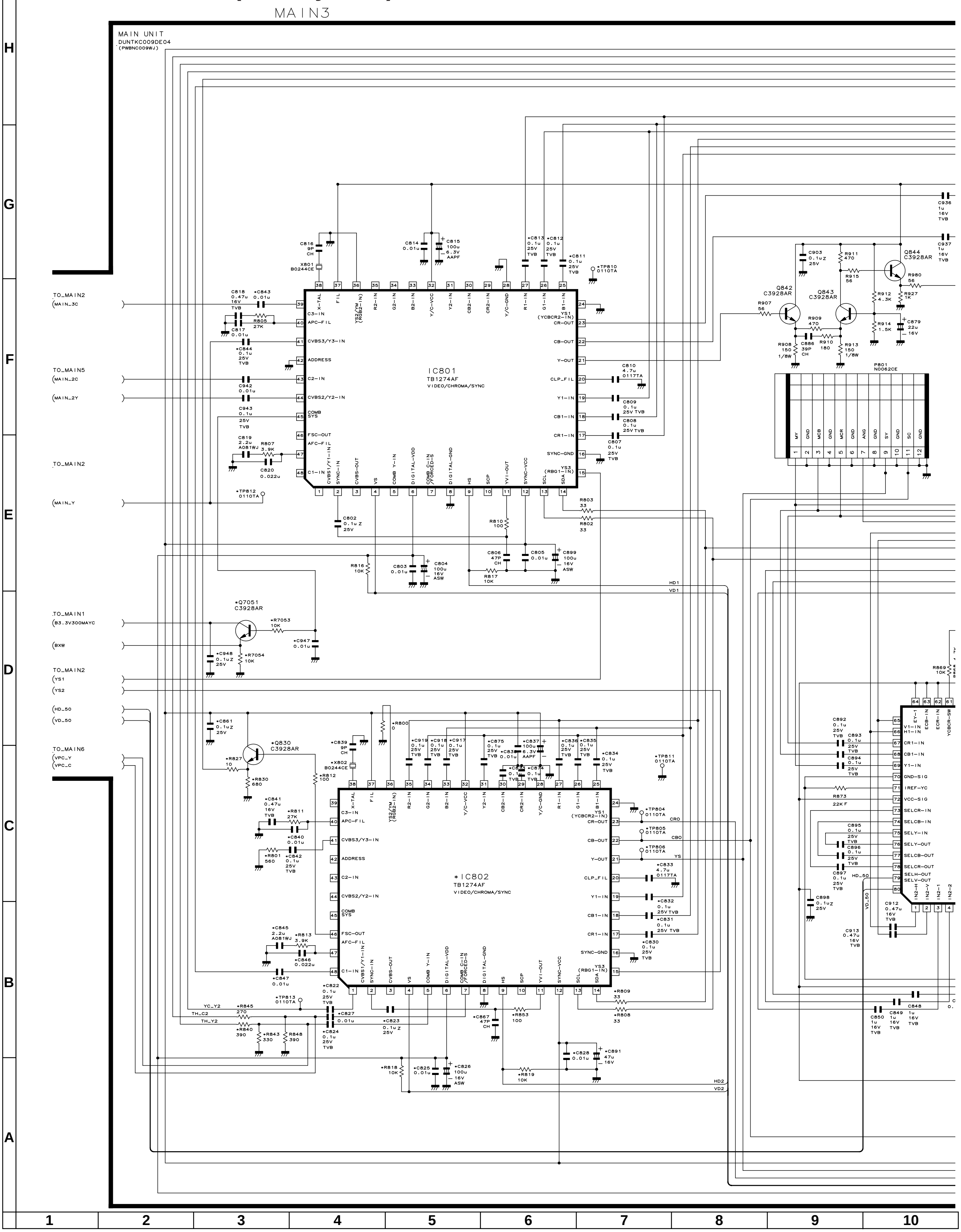
18
19

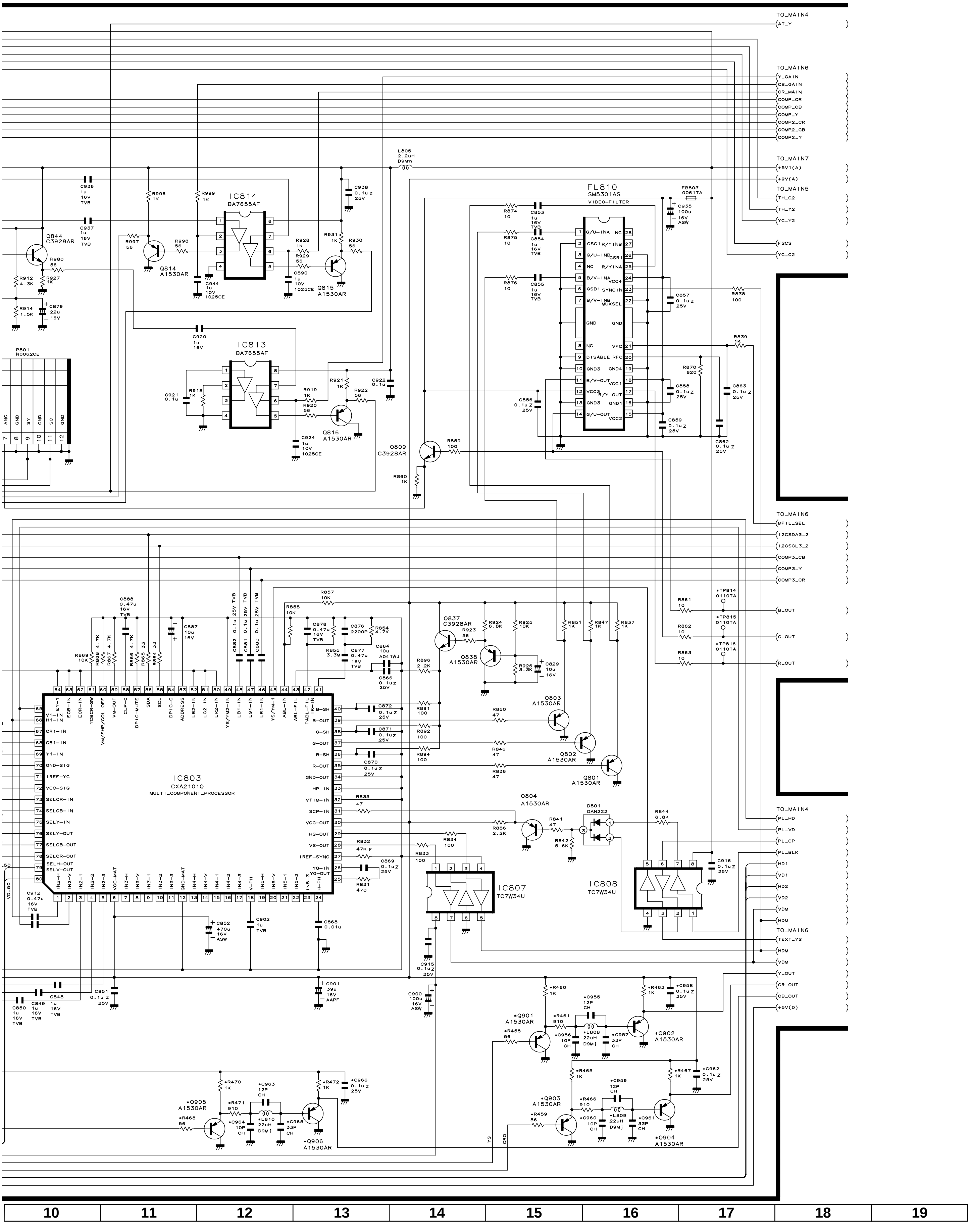
■ MAIN Unit-2/7 (AVC System)


MAIN2
MAIN UNIT
DUNTKC009DE04
(PWBNC009WJ)
TO_MAIN1
D3_C1
D3_Y1
*R672
0
*R674
0
C623
47u
16V
R607
12K
*R664
22K
R608
12K
*R665
0
*R620
0
C646
1u
16V
TVB
C614
1u
16V
TVB
R609
33
R610
33
30 29 28 27 26 25 24 23 22 21 20 19 18 17 16
DAC3
VD2
VD1
NC
SYNC1
DAC1
SYNC2
SCL
SDA
NC
HD2
GND
NC
HD1
ADDRES
HD2
VD2
HD1
VD1
GND
NC
AFC
NC
HVCO
NC
VCC
DAC2
VD3
HD3
CP
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
IC604
TA1318AF
C615
0.01u
R611
5.1K
C616
1u
16V
TVB
X601
A0034CE
R612
390
C617
0.1uZ
25V
C618
330u
16V
ASW
R614
100
R615
100
R613
100
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10

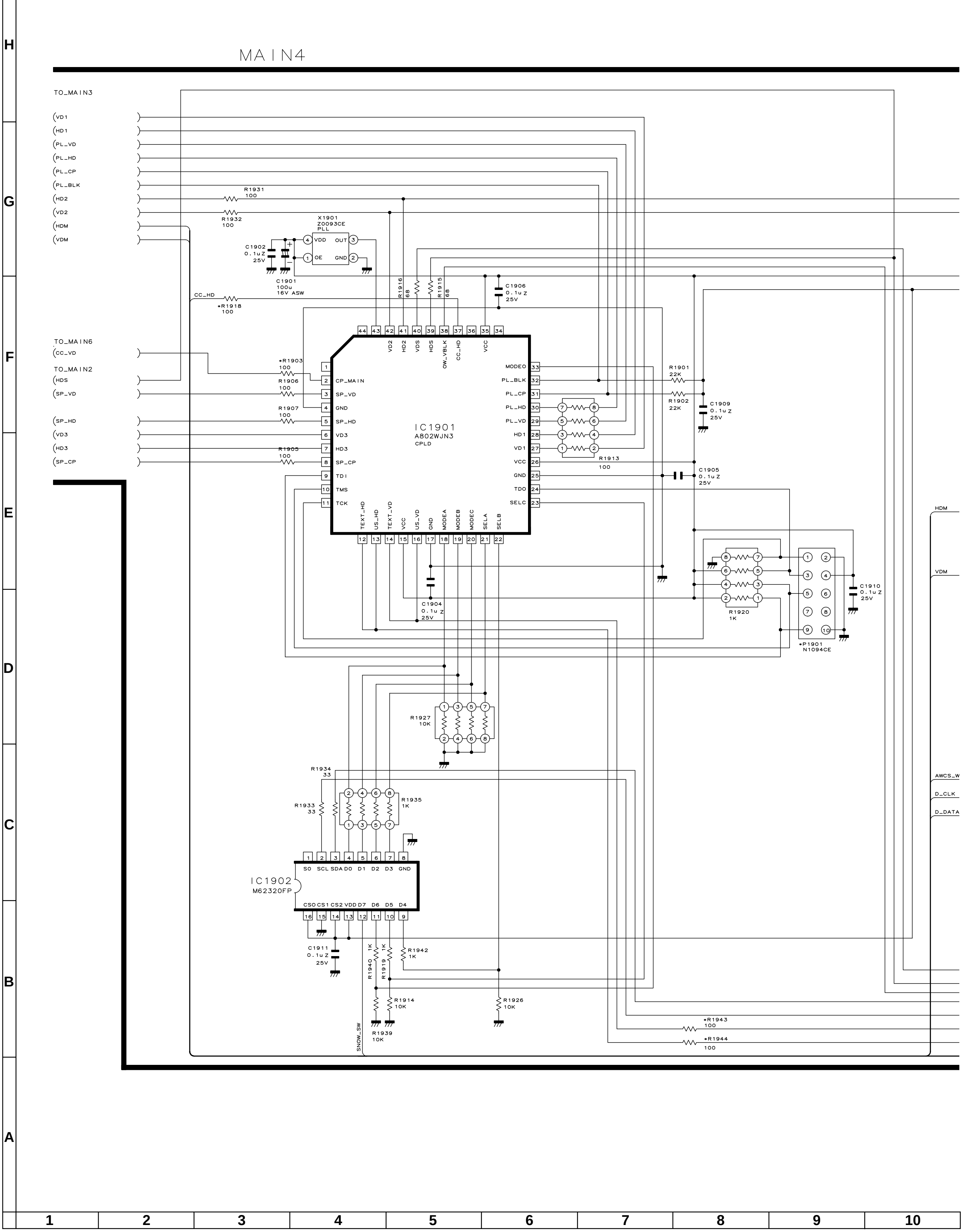

TO_MAIN7
+5V2(A)
*R657
0
TO_MAIN3
MAIN_3C
MAIN_Y
YS2
*R674
0
TO_MAIN4
SP_HD
SP_VD
SP_CP
HD3
VD3
TO_MAIN6
COMP3_Y
COMP2_Y
I2CSCL3_2
I2CSDA3_2
FAST_SW2
FB602
0061TA
TO_MAIN7
+9V(A)
10
11
12
13
14
15
16
17
18
19

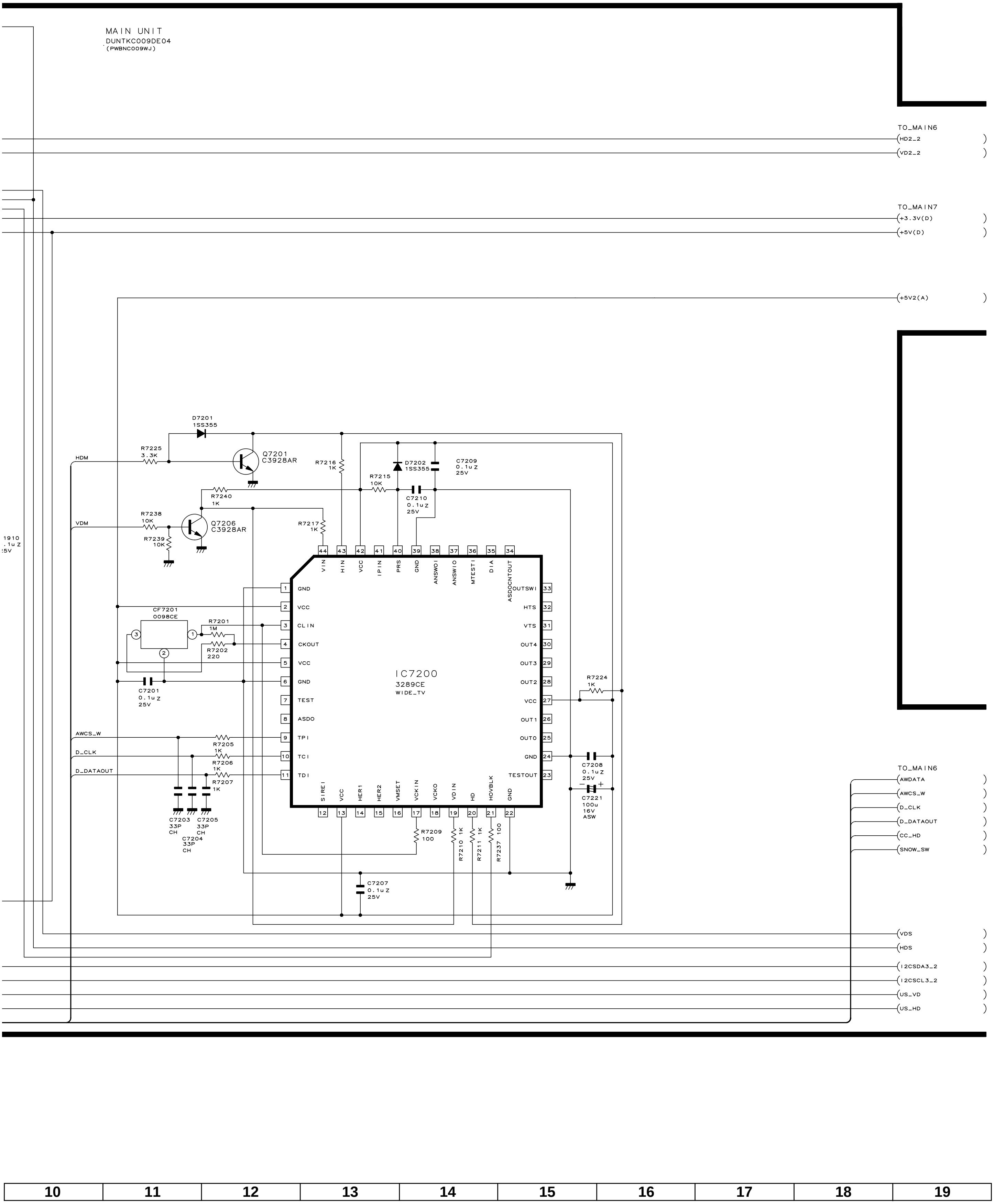
■ MAIN Unit-3/7 (AVC System)


MAIN3
MAIN UNIT
DUNTKC009DE04
(PWBNC009WJ)
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
IC801
TB1274AF
VIDEO/CHROMA/SYNC
*IC802
TB1274AF
VIDEO/CHROMA/SYNC
TO_MAIN2
(MAIN_3C
TO_MAIN5
(MAIN_2C
(MAIN_2Y
TO_MAIN2
(MAIN_Y
TO_MAIN1
(B3.3V300MAYC
(BXW
TO_MAIN2
(YS1
(YS2
(HD_50
(VD_50
TO_MAIN6
(VPC_Y
(VPC_C
X801
B0244CE
*X802
B0244CE
*Q7051
C3928AR
*Q830
C3928AR
Q842
C3928AR
Q843
C3928AR
Q844
C3928AR
P801
N0062CE
*TP810
0110TA
*TP812
0110TA
*TP811
0110TA
*TP813
0110TA
*TP804
0110TA
*TP805
0110TA
*TP806
0110TA
HD1
VD1
HD2
VD2
YC_Y2
TH_C2
TH_Y2
CRO
CBO
YS
HD_50
VD_50

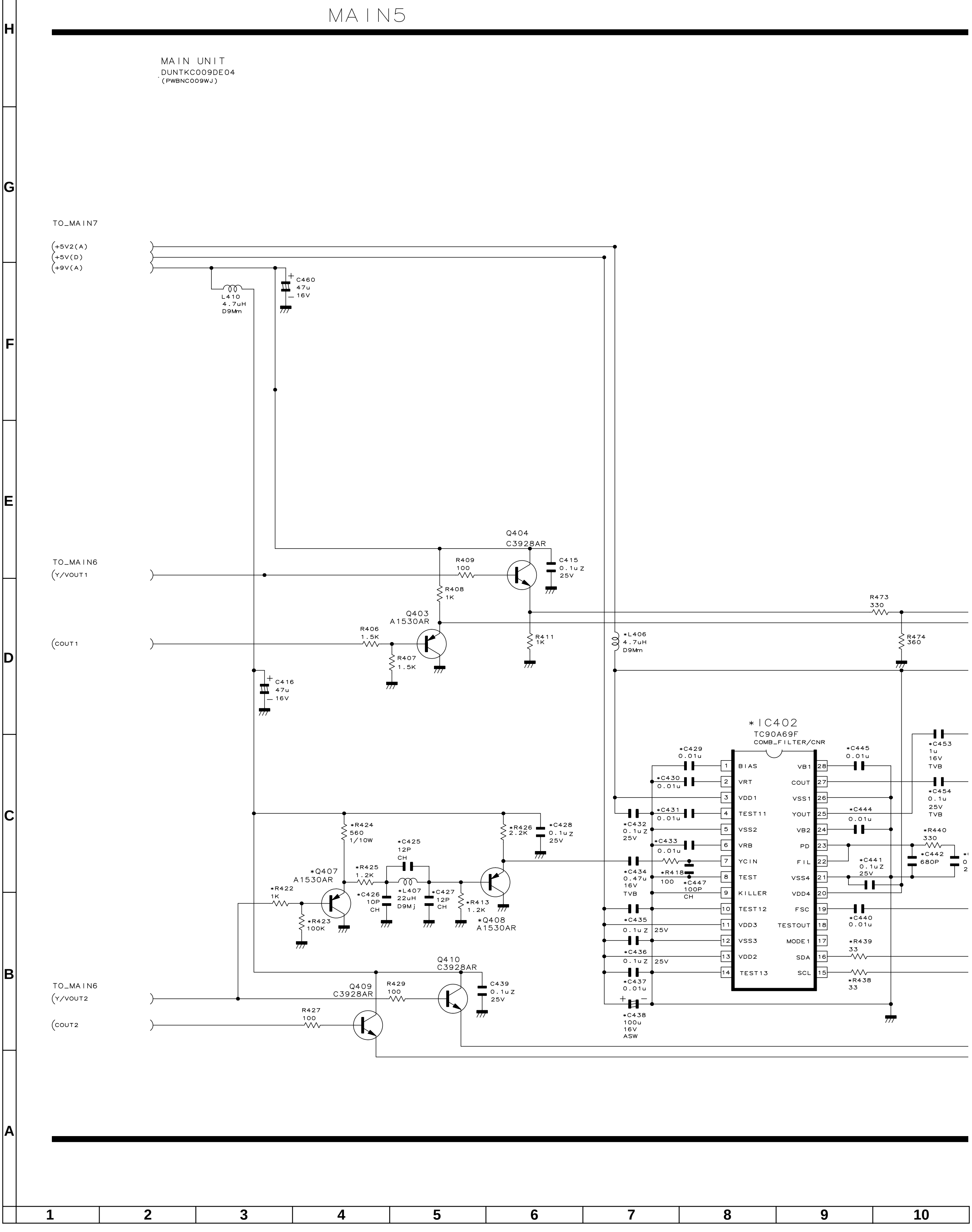

TO_MAIN4
AT_Y
TO_MAIN6
Y_GAIN
CB_GAIN
CR_MAIN
COMP_CR
COMP_CB
COMP_Y
COMP2_CR
COMP2_CB
COMP2_Y
TO_MAIN7
+5V1(A)
+9V(A)
TO_MAIN5
TH_C2
TH_Y2
YC_Y2
FSCS
YC_C2
TO_MAIN6
MFIL_SEL
I2CSDA3_2
I2CSCL3_2
COMP3_CB
COMP3_Y
COMP3_CR
B_OUT
G_OUT
R_OUT
TO_MAIN4
PL_HD
PL_VD
PL_CP
PL_BLK
HD1
VD1
HD2
VD2
VDM
HDM
TO_MAIN6
TEXT_YS
HDM
VDM
Y_OUT
CR_OUT
CB_OUT
+5V(D)
L805 2.2uH D9Mm
FL810 SM5301AS VIDEO-FILTER
FB803 0061TA
IC814 BA7655AF
IC813 BA7655AF
Q844 C3928AR
Q814 A1530AR
Q815 A1530AR
Q816 A1530AR
Q809 C3928AR
P801 N0062CE
IC803 CXA2101Q MULTI_COMPONENT_PROCESSOR
Q837 C3928AR
Q838 A1530AR
Q803 A1530AR
Q802 A1530AR
Q801 A1530AR
Q804 A1530AR
D801 DAN222
IC807 TC7W34U
IC808 TC7W34U
*Q901 A1530AR
*Q902 A1530AR
*Q903 A1530AR
*Q904 A1530AR
*Q905 A1530AR
*Q906 A1530AR
*TP814 0110TA
*TP815 0110TA
*TP816 0110TA
10
11
12
13
14
15
16
17
18
19

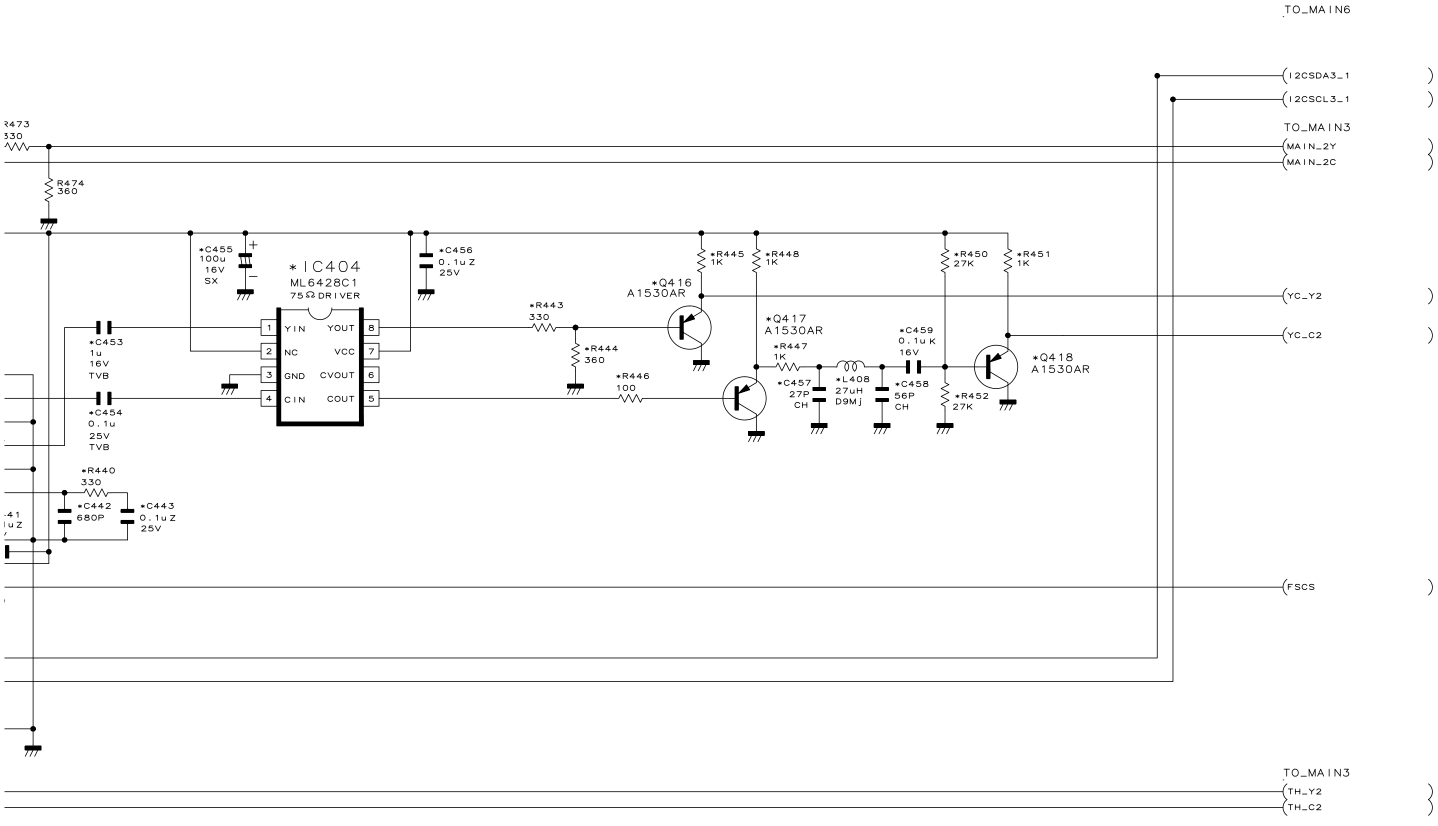
■ MAIN Unit-4/7 (AVC System)


MAIN4
TO_MAIN3
VD1
HD1
PL_VD
PL_HD
PL_CP
PL_BLK
HD2
VD2
HDM
VDM
R1931 100
R1932 100
X1901 Z0093CE PLL
VDD
OUT
OE
GND
C1902 0.1u Z 25V
C1901 100u 16V ASW
CC_HD
*R1918 100
R1916 68
R1915 68
C1906 0.1u Z 25V
TO_MAIN6
CC_VD
TO_MAIN2
HDS
SP_VD
SP_HD
VD3
HD3
SP_CP
*R1903 100
R1906 100
R1907 100
R1905 100
IC1901
A802WJN3
CPLD
CP_MAIN
GND
TDI
TMS
TCK
OW_VBLK
VCC
MODE0
PL_BLK
SELC
TDO
TEXT_HD
US_HD
TEXT_VD
US_VD
MODEA
MODEB
MODEC
SELA
SELB
R1901 22K
R1902 22K
C1909 0.1u Z 25V
R1913 100
C1905 0.1u Z 25V
C1904 0.1u Z 25V
R1920 1K
*P1901 N1094CE
C1910 0.1u Z 25V
HDM
VDM
R1927 10K
R1934 33
R1933 33
R1935 1K
IC1902
M62320FP
S0 SCL SDA D0 D1 D2 D3 GND
CS0 CS1 CS2 VDD D7 D6 D5 D4
C1911 0.1u Z 25V
R1940 1K
R1919 1K
R1942 1K
R1914 10K
R1939 10K
R1926 10K
SNOW_SW
*R1943 100
*R1944 100
AWCS_W
D_CLK
D_DATA
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10

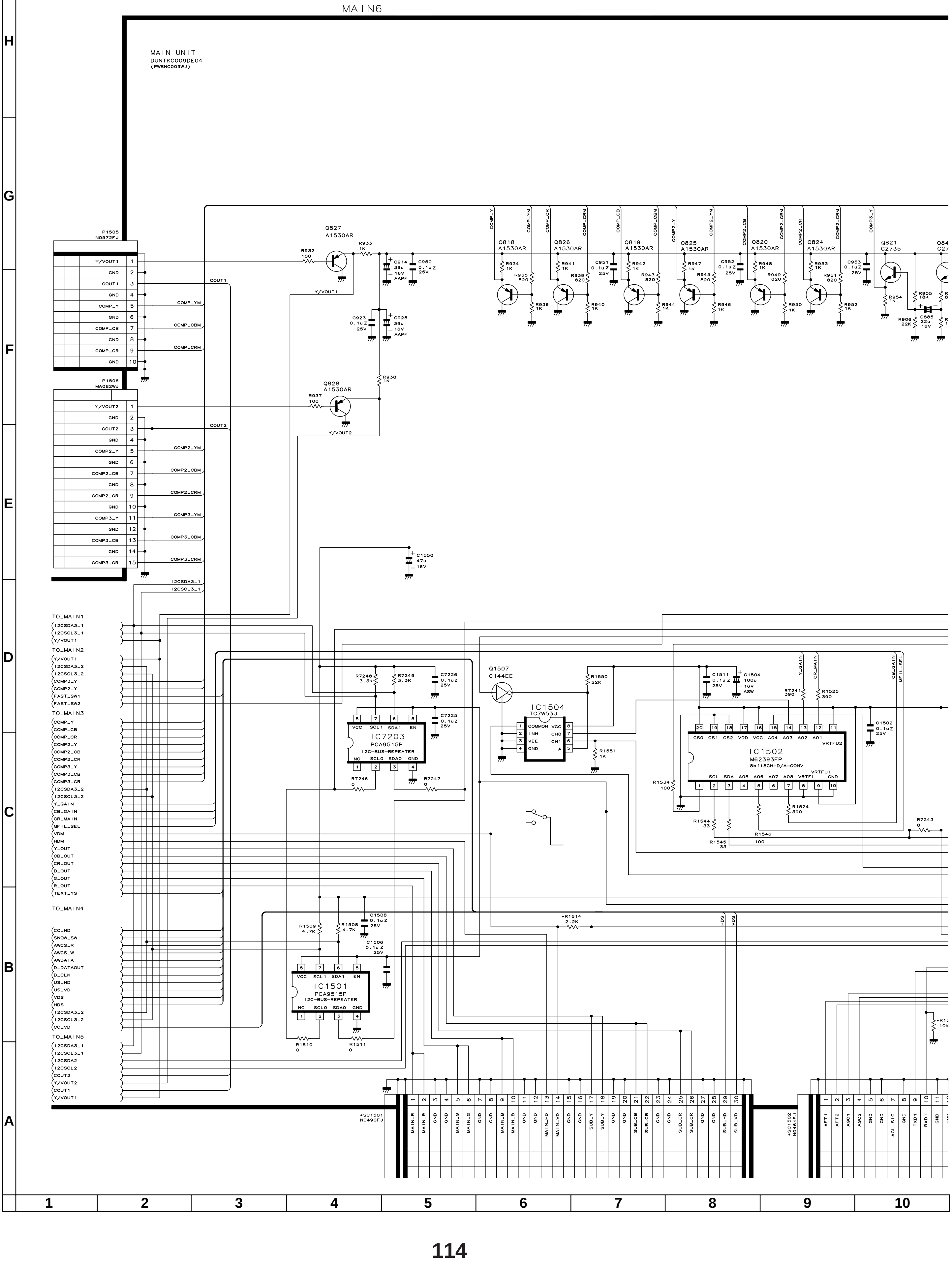

MAIN UNIT
DUNTKC009DE04
(PWBNC009WJ)
TO_MAIN6
HD2_2
VD2_2
TO_MAIN7
+3.3V(D)
+5V(D)
+5V2(A)
D7201
1SS355
R7225
3.3K
HDM
Q7201
C3928AR
R7216
1K
D7202
1SS355
C7209
0.1uZ
25V
R7215
10K
C7210
0.1uZ
25V
R7240
1K
R7238
10K
VDM
Q7206
C3928AR
R7239
10K
R7217
1K
1910
.1uZ
25V
44 VIN
43 HIN
42 VCC
41 IPIN
40 PRS
39 GND
38 ANSWOI
37 ANSWIO
36 MTESTI
35 DIA
34 ASDOCNTOUT
1 GND
2 VCC
3 CLIN
4 CKOUT
5 VCC
6 GND
7 TEST
8 ASDO
9 TPI
10 TCI
11 TDI
33 OUTSWI
32 HTS
31 VTS
30 OUT4
29 OUT3
28 OUT2
27 VCC
26 OUT1
25 OUT0
24 GND
23 TESTOUT
12 SIREI
13 VCC
14 HER1
15 HER2
16 VMSET
17 VCKIN
18 VCKO
19 VDIN
20 HD
21 HOVBLK
22 GND
IC7200
3289CE
WIDE_TV
CF7201
0098CE
R7201
1M
R7202
220
C7201
0.1uZ
25V
R7224
1K
AWCS_W
D_CLK
D_DATAOUT
R7205
1K
R7206
1K
R7207
1K
C7203
33P
CH
C7204
33P
CH
C7205
33P
CH
C7208
0.1uZ
25V
C7221
100u
16V
ASW
R7209
100
R7210 1K
R7211 1K
R7237 100
C7207
0.1uZ
25V
TO_MAIN6
AWDATA
AWCS_W
D_CLK
D_DATAOUT
CC_HD
SNOW_SW
VDS
HDS
I2CSDA3_2
I2CSCL3_2
US_VD
US_HD
10
11
12
13
14
15
16
17
18
19

■ MAIN Unit-5/7 (AVC System)


MAIN5
MAIN UNIT
DUNTKC009DE04
(PWBNC009WJ)
TO_MAIN7
+5V2(A)
+5V(D)
+9V(A)
L410 4.7uH D9Mm
C460 47u 16V
TO_MAIN6
Y/VOUT1
COUT1
Q404 C3928AR
R409 100
C415 0.1uZ 25V
R408 1K
Q403 A1530AR
R406 1.5K
R407 1.5K
R411 1K
*L406 4.7uH D9Mm
R473 330
R474 360
C416 47u 16V
*IC402
TC90A69F
COMB_FILTER/CNR
1 BIAS
2 VRT
3 VDD1
4 TEST11
5 VSS2
6 VRB
7 YCIN
8 TEST
9 KILLER
10 TEST12
11 VDD3
12 VSS3
13 VDD2
14 TEST13
28 VB1
27 COUT
26 VSS1
25 YOUT
24 VB2
23 PD
22 FIL
21 VSS4
20 VDD4
19 FSC
18 TESTOUT
17 MODE1
16 SDA
15 SCL
*C429 0.01u
*C430 0.01u
*C431 0.01u
*C432 0.1uZ 25V
*C433 0.01u
*C434 0.47u 16V TVB
*R418 100
*C447 100P CH
*C435 0.1uZ 25V
*C436 0.1uZ 25V
*C437 0.01u
*C438 100u 16V ASW
*C445 0.01u
*C453 1u 16V TVB
*C454 0.1u 25V TVB
*C444 0.01u
*R440 330
*C442 680P
*C441 0.1uZ 25V
*C440 0.01u
*R439 33
*R438 33
*R424 560 1/10W
*R426 2.2K
*C428 0.1uZ 25V
*C425 12P CH
*Q407 A1530AR
*R425 1.2K
*L407 22uH D9Mj
*C426 10P CH
*C427 12P CH
*R413 1.2K
*Q408 A1530AR
*R422 1K
*R423 100K
Q410 C3928AR
Q409 C3928AR
R429 100
C439 0.1uZ 25V
Y/VOUT2
COUT2
R427 100
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10


TO_MAIN6
I2CSDA3_1
I2CSCL3_1
TO_MAIN3
MAIN_2Y
MAIN_2C
R473
330
R474
360
*C455
100u
16V
SX
*IC404
ML6428C1
75Ω DRIVER
1 YIN
2 NC
3 GND
4 CIN
8 YOUT
7 VCC
6 CVOUT
5 COUT
*C456
0.1uZ
25V
*C453
1u
16V
TVB
*C454
0.1u
25V
TVB
*R440
330
*C442
680P
*C443
0.1uZ
25V
41
uZ
*R443
330
*R444
360
*R446
100
*Q416
A1530AR
*R445
1K
*R448
1K
*Q417
A1530AR
*R447
1K
*C457
27P
CH
*L408
27uH
D9Mj
*C458
56P
CH
*C459
0.1uK
16V
*R450
27K
*R451
1K
*R452
27K
*Q418
A1530AR
YC_Y2
YC_C2
FSCS
TO_MAIN3
TH_Y2
TH_C2

■ MAIN Unit-6/7 (AVC System)


MAIN6
MAIN UNIT
DUNTKC009DE04
(PWBNC009WJ)
P1505
N0572FJ
Y/VOUT1
GND
COUT1
COMP_Y
COMP_CB
COMP_CR
P1506
MA082WJ
Y/VOUT2
COUT2
COMP2_Y
COMP2_CB
COMP2_CR
COMP3_Y
COMP3_CB
COMP3_CR
COMP_YM
COMP_CBM
COMP_CRM
COMP2_YM
COMP2_CBM
COMP2_CRM
COMP3_YM
COMP3_CBM
COMP3_CRM
I2CSDA3_1
I2CSCL3_1
Q827
A1530AR
R932
100
R933
1K
C914
39u
16V
AAPF
C950
0.1uZ
25V
C923
0.1uZ
25V
C925
39u
16V
AAPF
R938
1K
Q828
A1530AR
R937
100
Q818
A1530AR
Q826
A1530AR
Q819
A1530AR
Q825
A1530AR
Q820
A1530AR
Q824
A1530AR
Q821
C2735
R934
1K
R935
820
R936
1K
R941
1K
R939
820
R940
1K
C951
0.1uZ
25V
R942
1K
R943
820
R944
1K
R947
1K
R945
820
R946
1K
C952
0.1uZ
25V
R948
1K
R949
820
R950
1K
R953
1K
R951
820
R952
1K
C953
0.1uZ
25V
R954
1K
R905
18K
R906
22K
C885
22u
16V
C1550
47u
16V
TO_MAIN1
I2CSDA3_1
I2CSCL3_1
Y/VOUT1
TO_MAIN2
Y/VOUT1
I2CSDA3_2
I2CSCL3_2
COMP3_Y
COMP2_Y
FAST_SW1
FAST_SW2
TO_MAIN3
COMP_Y
COMP_CB
COMP_CR
COMP2_Y
COMP2_CB
COMP2_CR
COMP3_Y
COMP3_CB
COMP3_CR
I2CSDA3_2
I2CSCL3_2
Y_GAIN
CB_GAIN
CR_MAIN
MFIL_SEL
VDM
HDM
Y_OUT
CB_OUT
CR_OUT
B_OUT
G_OUT
R_OUT
TEXT_YS
TO_MAIN4
CC_HD
SNOW_SW
AWCS_R
AWCS_W
AWDATA
D_DATAOUT
D_CLK
US_HD
US_VD
VDS
HDS
I2CSDA3_2
I2CSCL3_2
CC_VD
TO_MAIN5
I2CSDA3_1
I2CSCL3_1
I2CSDA2
I2CSCL2
COUT2
Y/VOUT2
COUT1
Y/VOUT1
R7248
3.3K
R7249
3.3K
C7226
0.1uZ
25V
C7225
0.1uZ
25V
IC7203
PCA9515P
I2C-BUS-REPEATER
VCC SCL1 SDA1 EN
NC SCL0 SDA0 GND
R7246
0
R7247
0
Q1507
C144EE
IC1504
TC7W53U
COMMON VCC
INH CH0
VEE CH1
GND A
R1550
22K
R1551
1K
C1511
0.1uZ
25V
C1504
100u
16V
ASW
Y_GAIN
CR_MAIN
CB_GAIN
MFIL_SEL
R7241
390
R1525
390
C1502
0.1uZ
25V
IC1502
M62393FP
8bit8CH-D/A-CONV
CS0 CS1 CS2 VDD VCC AO4 AO3 AO2 AO1
VRTFU2
SCL SDA AO5 AO6 AO7 AO8 VRTFL GND
VRTFU1
R1534
100
R1524
390
R1544
33
R1545
33
R1546
100
R7243
0
R1509
4.7K
R1508
4.7K
C1508
0.1uZ
25V
C1506
0.1uZ
25V
IC1501
PCA9515P
I2C-BUS-REPEATER
VCC SCL1 SDA1 EN
NC SCL0 SDA0 GND
R1510
0
R1511
0
R1514
2.2K
HDS
VDS
SC1501
N0490FJ
MAIN_R
MAIN_R
GND
GND
MAIN_G
MAIN_G
GND
MAIN_B
MAIN_B
GND
GND
MAIN_HD
MAIN_VD
GND
SUB_Y
SUB_Y
GND
GND
SUB_CB
SUB_CB
GND
SUB_CR
SUB_CR
GND
GND
SUB_HD
SUB_VD
SC1502
N0464FJ
AFT1
AFT2
AGC1
AGC2
GND
GND
ACL_SIG
GND
TXD1
RXD1
GND
R15
10K
H
G
F
E
D
C
B
A
1
2
3
4
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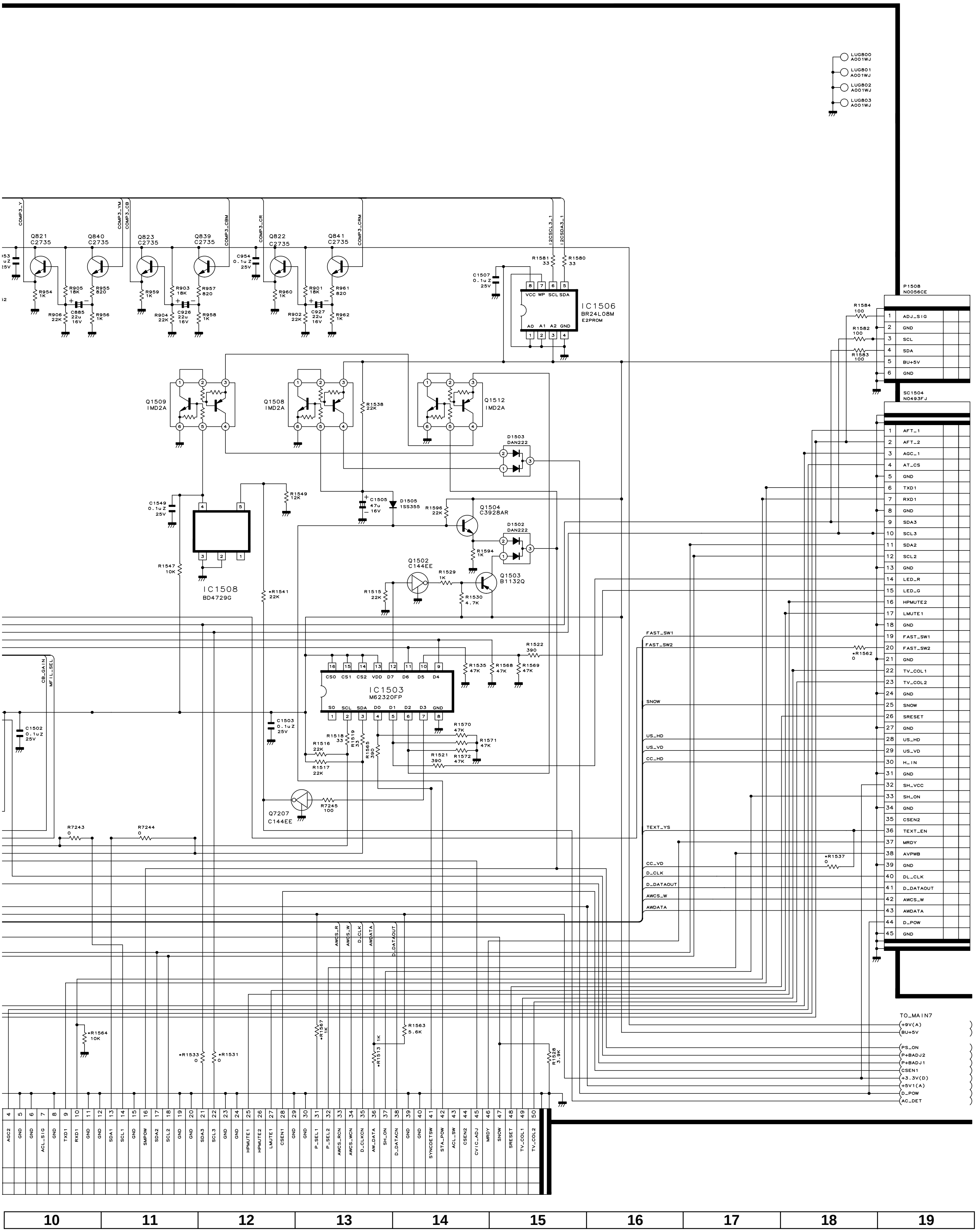
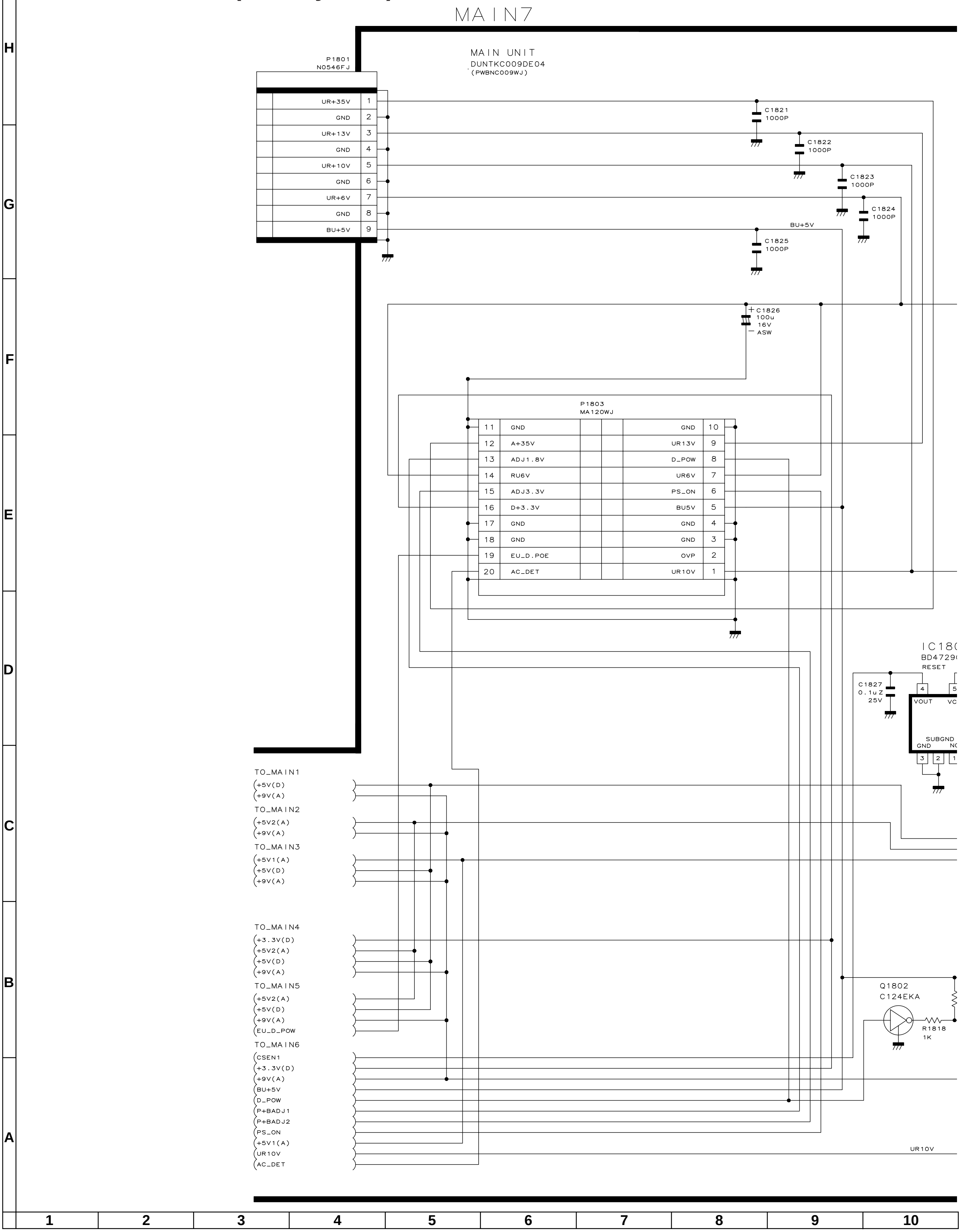
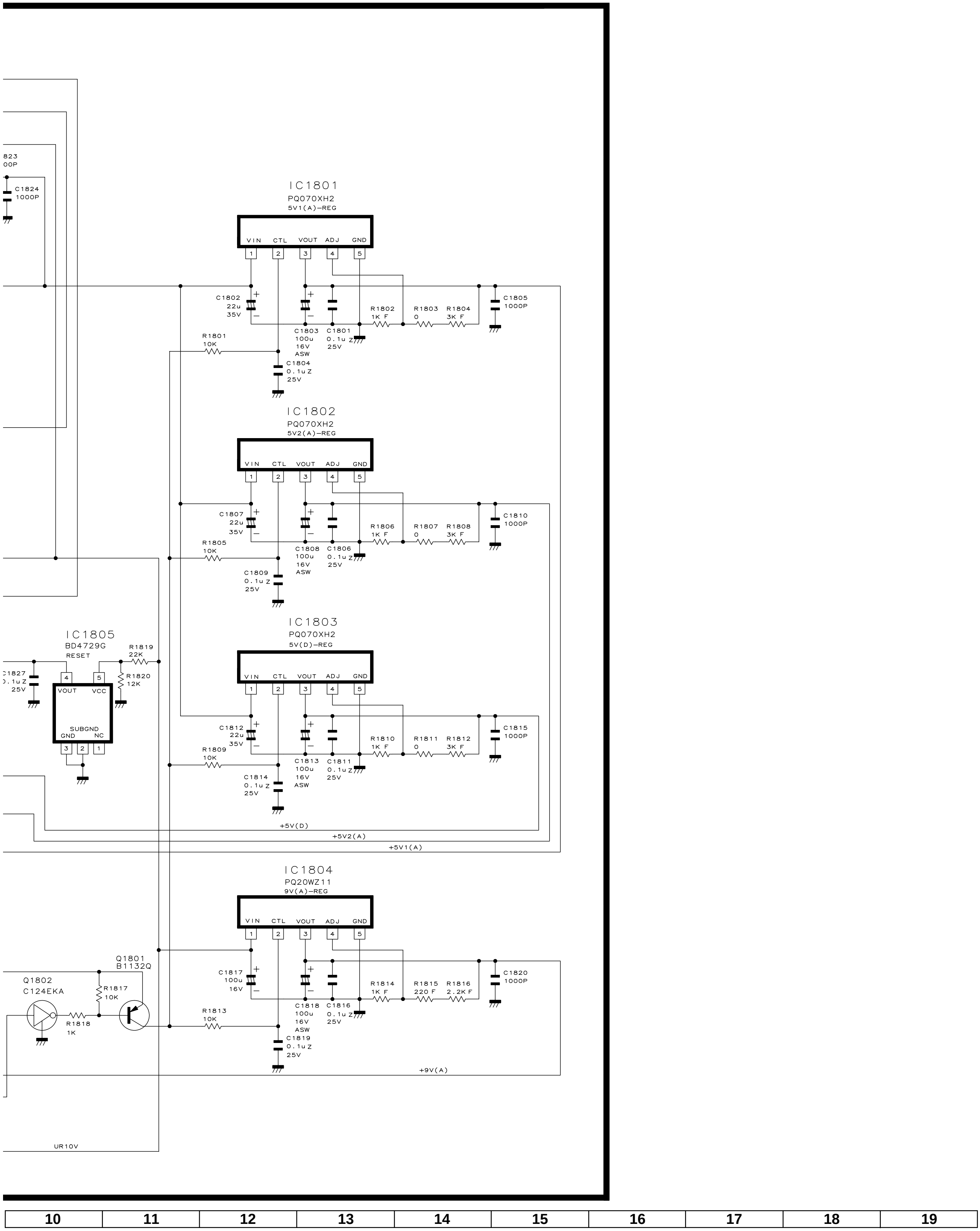


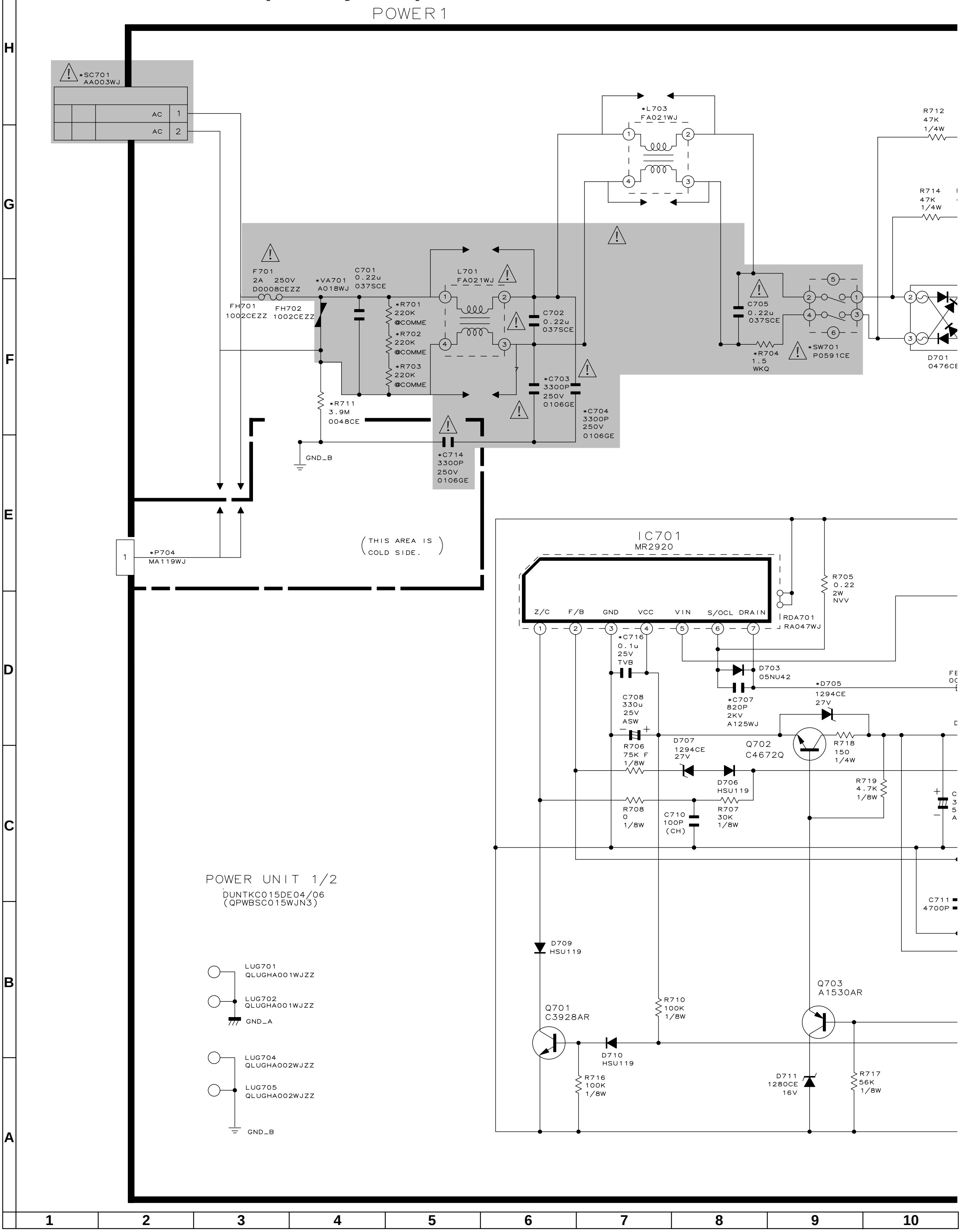
LUG800 A001WJ
LUG801 A001WJ
LUG802 A001WJ
LUG803 A001WJ
COMP3_Y
COMP3_YM
COMP3_CB
COMP3_CBM
COMP3_CR
COMP3_CRM
I2CSCL3_1
I2CSDA3_1
Q821 C2735
Q840 C2735
Q823 C2735
Q839 C2735
Q822 C2735
Q841 C2735
C954 0.1u Z 25V
R954 1K
R905 18K
R955 820
C885 22u 16V
R906 22K
R956 1K
R959 1K
R903 18K
R957 820
C926 22u 16V
R904 22K
R958 1K
R960 1K
R901 18K
R961 820
C927 22u 16V
R902 22K
R962 1K
R1581 33
R1580 33
C1507 0.1u Z 25V
IC1506 BR24L08M E2PROM
VCC WP SCL SDA
A0 A1 A2 GND
P1508 N0056CE
R1584 100
R1582 100
R1583 100
ADJ_SIG
GND
SCL
SDA
BU+5V
GND
SC1504 N0493FJ
Q1509 IMD2A
Q1508 IMD2A
R1538 22K
Q1512 IMD2A
D1503 DAN222
C1549 0.1u Z 25V
R1549 12K
IC1508 BD4729G
R1547 10K
*R1541 22K
C1505 47u 16V
D1505 1SS355
R1596 22K
Q1504 C3928AR
D1502 DAN222
R1594 1K
Q1502 C144EE
R1529 1K
Q1503 B1132Q
R1515 22K
R1530 4.7K
R1522 390
R1535 47K
R1568 47K
R1569 47K
IC1503 M62320FP
CS0 CS1 CS2 VDD D7 D6 D5 D4
S0 SCL SDA D0 D1 D2 D3 GND
C1503 0.1u Z 25V
C1502 0.1u Z 25V
CB_GAIN
MFIL_SEL
R1518 33
R1519 33
R1516 22K
R1517 22K
R1565 390
R1570 47K
R1571 47K
R1572 47K
R1521 390
Q7207 C144EE
R7245 100
R7243 0
R7244 0
FAST_SW1
FAST_SW2
SNOW
US_HD
US_VD
CC_HD
TEXT_YS
CC_VD
D_CLK
D_DATAOUT
AWCS_W
AWDATA
*R1562 0
*R1537 0
AWCS_R
AWCS_W
D_CLK
AWDATA
D_DATAOUT
1 AFT_1
2 AFT_2
3 AGC_1
4 AT_CS
5 GND
6 TXD1
7 RXD1
8 GND
9 SDA3
10 SCL3
11 SDA2
12 SCL2
13 GND
14 LED_R
15 LED_G
16 HPMUTE2
17 LMUTE1
18 GND
19 FAST_SW1
20 FAST_SW2
21 GND
22 TV_COL1
23 TV_COL2
24 GND
25 SNOW
26 SRESET
27 GND
28 US_HD
29 US_VD
30 H_IN
31 GND
32 SH_VCC
33 SH_ON
34 GND
35 CSEN2
36 TEXT_EN
37 MRDY
38 AVPWB
39 GND
40 DL_CLK
41 D_DATAOUT
42 AWCS_W
43 AWDATA
44 D_POW
45 GND
TO_MAIN7
+9V(A)
BU+5V
PS_ON
P+BADJ2
P+BADJ1
CSEN1
+3.3V(D)
+5V1(A)
D_POW
AC_DET
*R1564 10K
*R1533 0
*R1531 0
*R1567 1K
*R1513 1K
R1563 5.6K
R1528 3.9K
4 AGC2
5 GND
6 GND
7 ACL_SIG
8 GND
9 TXD1
10 RXD1
11 GND
12 GND
13 SDA1
14 SCL1
15 GND
16 SMPOW
17 SDA2
18 SCL2
19 GND
20 GND
21 SDA3
22 SCL3
23 GND
24 GND
25 HPMUTE1
26 HPMUTE2
27 LMUTE1
28 CSEN1
29 GND
30 GND
31 P_SEL1
32 P_SEL2
33 AWCS_RCN
34 AWCS_WCN
35 D_CLKCN
36 AW_DATA
37 SH_ON
38 D_DATACN
39 GND
40 GND
41 SYNCDETSW
42 STA_POW
43 ACL_SW
44 CSEN2
45 CVIC_ADJ
46 MRDY
47 SNOW
48 SRESET
49 TV_COL1
50 TV_COL2
10
11
12
13
14
15
16
17
18
19

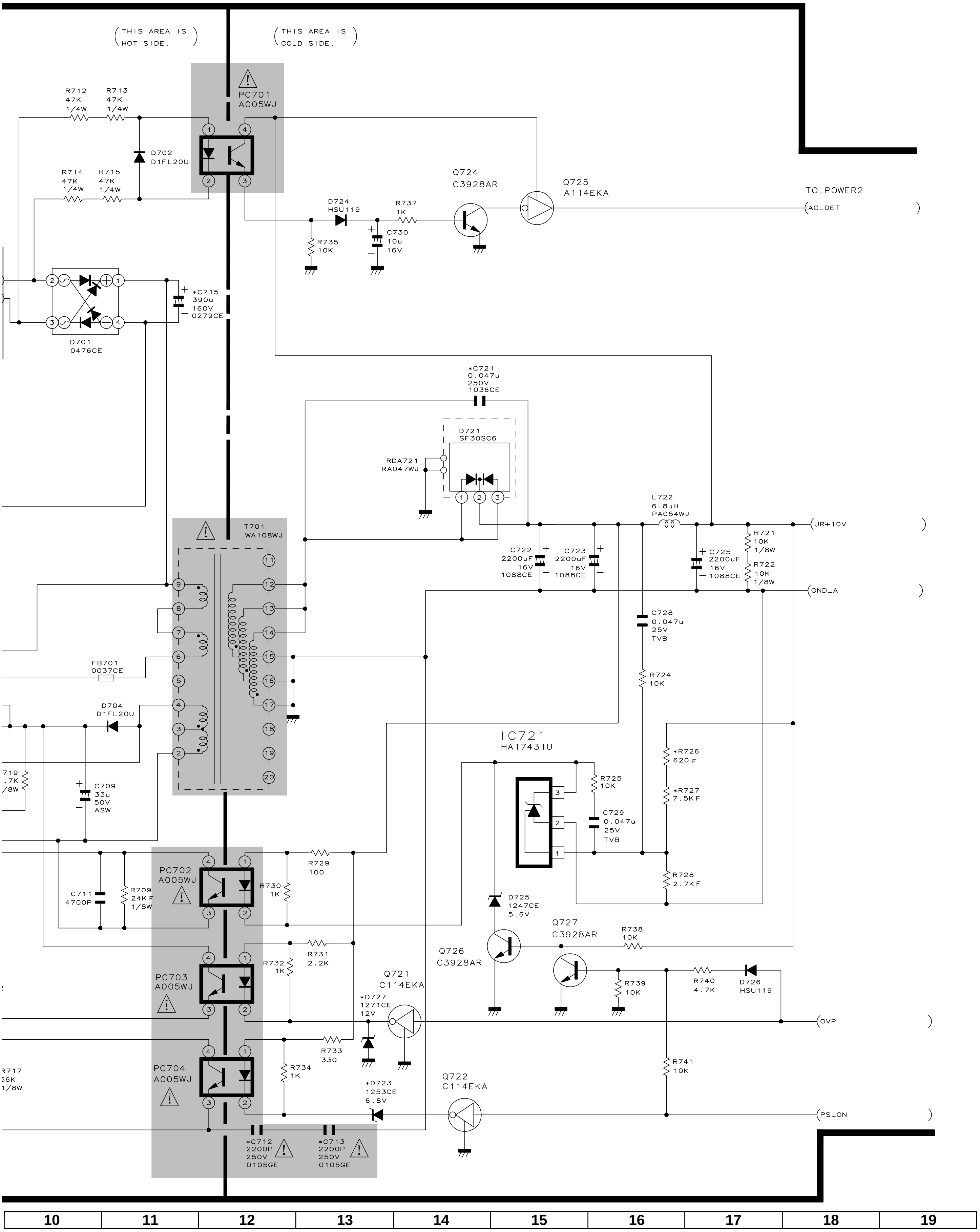
■ MAIN Unit-7/7 (AVC System)


MAIN7
MAIN UNIT
DUNTKC009DE04
(PWBNC009WJ)
P1801
N0546FJ
UR+35V 1
GND 2
UR+13V 3
GND 4
UR+10V 5
GND 6
UR+6V 7
GND 8
BU+5V 9
C1821 1000P
C1822 1000P
C1823 1000P
C1824 1000P
C1825 1000P
BU+5V
C1826 100u 16V ASW
P1803
MA120WJ
11 GND
12 A+35V
13 ADJ1.8V
14 RU6V
15 ADJ3.3V
16 D+3.3V
17 GND
18 GND
19 EU_D.POE
20 AC_DET
GND 10
UR13V 9
D_POW 8
UR6V 7
PS_ON 6
BU5V 5
GND 4
GND 3
OVP 2
UR10V 1
IC18
BD4729
RESET
C1827 0.1uZ 25V
4 VOUT
5 VC
SUBGND
GND
3 2 1
TO_MAIN1
+5V(D)
+9V(A)
TO_MAIN2
+5V2(A)
+9V(A)
TO_MAIN3
+5V1(A)
+5V(D)
+9V(A)
TO_MAIN4
+3.3V(D)
+5V2(A)
+5V(D)
+9V(A)
TO_MAIN5
+5V2(A)
+5V(D)
+9V(A)
EU_D_POW
TO_MAIN6
CSEN1
+3.3V(D)
+9V(A)
BU+5V
D_POW
P+BADJ1
P+BADJ2
PS_ON
+5V1(A)
UR10V
AC_DET
Q1802
C124EKA
R1818 1K
UR10V
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10


823
00P
C1824
1000P
IC1801
PQ070XH2
5V1(A)-REG
VIN CTL VOUT ADJ GND
1 2 3 4 5
C1802
22u
35V
C1803
100u
16V
ASW
C1801
0.1u Z
25V
R1802
1K F
R1803
0
R1804
3K F
C1805
1000P
R1801
10K
C1804
0.1u Z
25V
IC1802
PQ070XH2
5V2(A)-REG
C1807
22u
35V
C1808
100u
16V
ASW
C1806
0.1u Z
25V
R1806
1K F
R1807
0
R1808
3K F
C1810
1000P
R1805
10K
C1809
0.1u Z
25V
IC1803
PQ070XH2
5V(D)-REG
IC1805
BD4729G
RESET
R1819
22K
R1820
12K
C1827
0.1u Z
25V
VOUT VCC
SUBGND
GND NC
C1812
22u
35V
C1813
100u
16V
ASW
C1811
0.1u Z
25V
R1810
1K F
R1811
0
R1812
3K F
C1815
1000P
R1809
10K
C1814
0.1u Z
25V
+5V(D)
+5V2(A)
+5V1(A)
IC1804
PQ20WZ11
9V(A)-REG
Q1801
B1132Q
Q1802
C124EKA
R1817
10K
R1818
1K
C1817
100u
16V
C1818
100u
16V
ASW
C1816
0.1u Z
25V
R1814
1K F
R1815
220 F
R1816
2.2K F
C1820
1000P
R1813
10K
C1819
0.1u Z
25V
+9V(A)
UR10V
10
11
12
13
14
15
16
17
18
19

■ POWER Unit-1/2 (AVC System)


POWER1
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
*SC701
AA003WJ
AC 1
AC 2
*L703
FA021WJ
R712
47K
1/4W
R714
47K
1/4W
F701
2A 250V
D0008CEZZ
*VA701
A018WJ
C701
0.22u
037SCE
L701
FA021WJ
FH701
1002CEZZ
FH702
1002CEZZ
*R701
220K
@COMME
*R702
220K
@COMME
*R703
220K
@COMME
C702
0.22u
037SCE
*C703
3300P
250V
0106GE
*C704
3300P
250V
0106GE
C705
0.22u
037SCE
*R704
1.5
WKQ
*SW701
P0591CE
D701
0476CE
*R711
3.9M
0048CE
GND_B
*C714
3300P
250V
0106GE
*P704
MA119WJ
THIS AREA IS COLD SIDE.
IC701
MR2920
Z/C
F/B
GND
VCC
VIN
S/OCL
DRAIN
RDA701
RA047WJ
R705
0.22
2W
NVV
*C716
0.1u
25V
TVB
D703
05NU42
*C707
820P
2KV
A125WJ
*D705
1294CE
27V
C708
330u
25V
ASW
R706
75K F
1/8W
D707
1294CE
27V
Q702
C4672Q
R718
150
1/4W
D706
HSU119
R719
4.7K
1/8W
R708
0
1/8W
C710
100P
(CH)
R707
30K
1/8W
C711
4700P
POWER UNIT 1/2
DUNTKC015DE04/06
(QPWBSC015WJN3)
D709
HSU119
LUG701
QLUGHA001WJZZ
LUG702
QLUGHA001WJZZ
GND_A
LUG704
QLUGHA002WJZZ
LUG705
QLUGHA002WJZZ
GND_B
Q701
C3928AR
D710
HSU119
R710
100K
1/8W
R716
100K
1/8W
Q703
A1530AR
D711
1280CE
16V
R717
56K
1/8W


THIS AREA IS HOT SIDE.
THIS AREA IS COLD SIDE.
R712 47K 1/4W
R713 47K 1/4W
R714 47K 1/4W
R715 47K 1/4W
D702 D1FL20U
PC701 A005WJ
Q724 C3928AR
Q725 A114EKA
TO_POWER2
AC_DET
D724 HSU119
R737 1K
C730 10u 16V
R735 10K
D701 0476CE
*C715 390u 160V 0279CE
*C721 0.047u 250V 1036CE
D721 SF30SC6
RDA721 RA047WJ
L722 6.8uH PA054WJ
UR+10V
GND_A
R721 10K 1/8W
R722 10K 1/8W
C722 2200uF 16V 1088CE
C723 2200uF 16V 1088CE
C725 2200uF 16V 1088CE
C728 0.047u 25V TVB
R724 10K
T701 WA108WJ
FB701 0037CE
D704 D1FL20U
C709 33u 50V ASW
719 .7K /8W
IC721 HA17431U
*R726 620 F
*R727 7.5KF
R725 10K
C729 0.047u 25V TVB
R728 2.7KF
PC702 A005WJ
R729 100
R730 1K
C711 4700P
R709 24K F 1/8W
D725 1247CE 5.6V
Q727 C3928AR
R738 10K
Q726 C3928AR
R739 10K
R740 4.7K
D726 HSU119
PC703 A005WJ
R731 2.2K
R732 1K
Q721 C114EKA
*D727 1271CE 12V
OVP
R733 330
R734 1K
R741 10K
PC704 A005WJ
R717 56K 1/8W
Q722 C114EKA
*D723 1253CE 6.8V
PS_ON
*C712 2200P 250V 0105GE
*C713 2200P 250V 0105GE
10
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17
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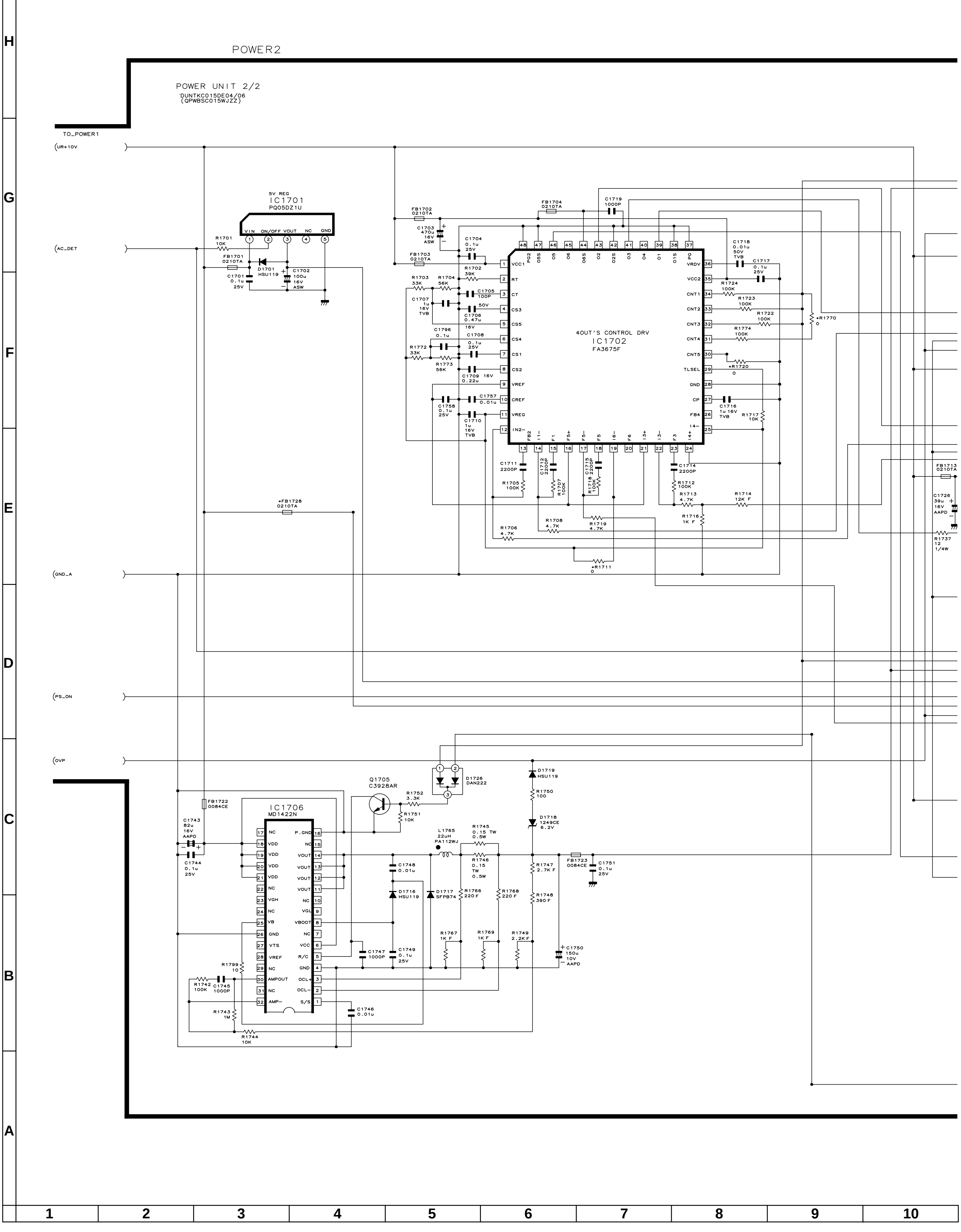
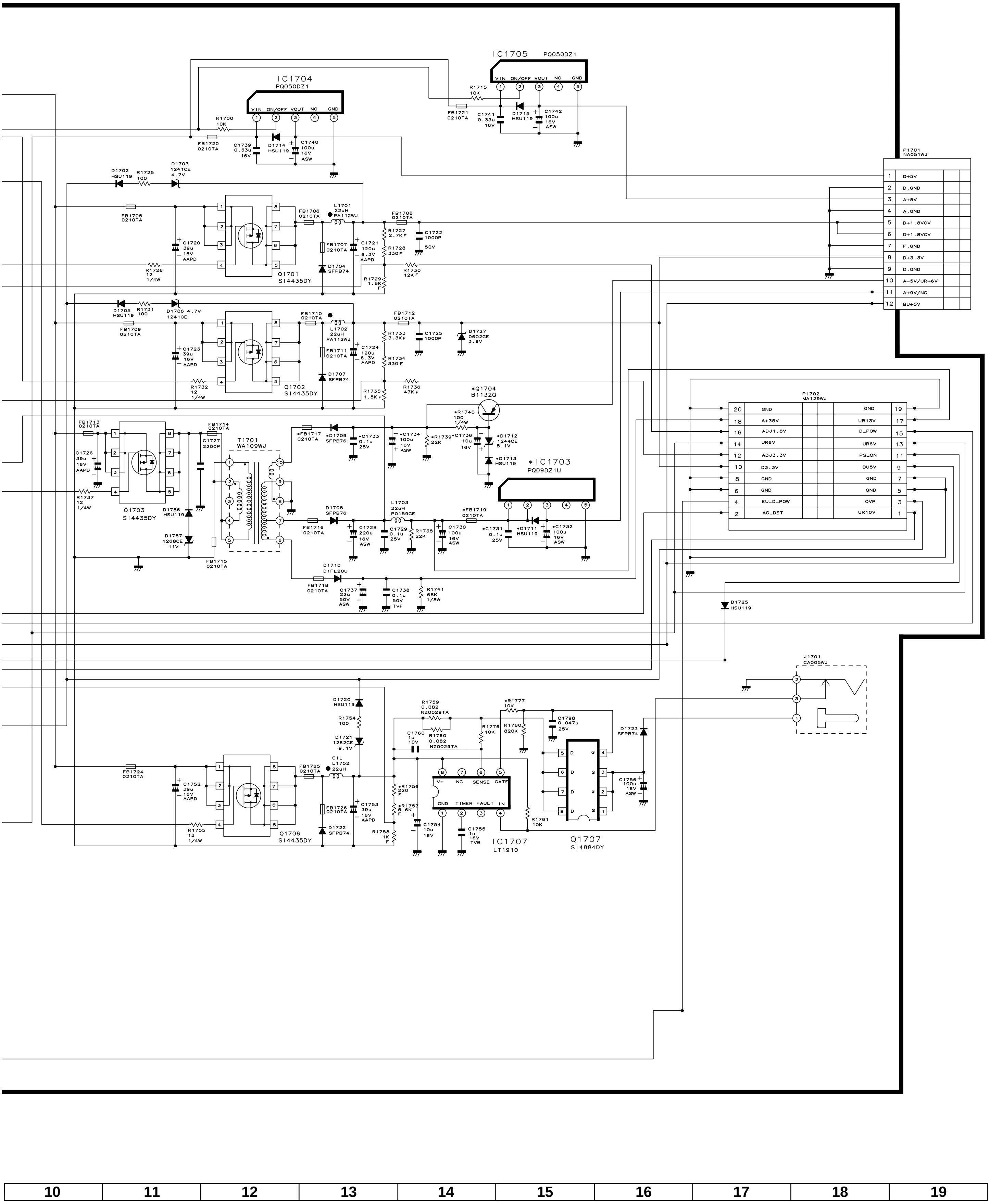
■ POWER Unit-2/2 (AVC System)


POWER2
POWER UNIT 2/2
DUNTKC015DE04/06
(QPWBSC015WJZZ)
TO_POWER1
UR+10V
AC_DET
GND_A
PS_ON
OVP
5V REG
IC1701
PQ05DZ1U
VIN ON/OFF VOUT NC GND
R1701 10K
FB1701 0210TA
D1701 HSU119
C1701 0.1u 25V
C1702 100u 16V ASW
FB1702 0210TA
C1703 470u 16V ASW
FB1703 0210TA
C1704 0.1u 25V
FB1704 0210TA
C1719 1000P
R1702 39K
R1703 33K
R1704 56K
C1705 100P
C1707 1u 16V TVB
C1706 0.47u 16V
C1796 0.1u
C1708 0.1u 25V
R1772 33K
R1773 56K
C1709 16V 0.22u
C1757 0.01u
C1758 0.1u 25V
C1710 1u 16V TVB
4OUT'S CONTROL DRV
IC1702
FA3675F
VCC1 RT CT CS3 CS5 CS4 CS1 CS2 VREF CREF VREG IN2-
VRDV VCC2 CNT1 CNT2 CNT3 CNT4 CNT5 TLSEL GND CP FB4 I4-
C1718 0.01u 50V TVB
C1717 0.1u 25V
R1724 100K
R1723 100K
R1722 100K
R1774 100K
*R1770 0
*R1720 0
C1716 1u 16V TVB
R1717 10K
C1711 2200P
C1712 2200P
C1715 2200P
C1714 2200P
R1705 100K
R1707 100K
R1718 100K
R1712 100K
R1713 4.7K
R1714 12K F
R1716 1K F
R1708 4.7K
R1719 4.7K
R1706 4.7K
*R1711 0
*FB1728 0210TA
FB1713 0210TA
C1726 39u 16V AAPD
R1737 12 1/4W
FB1722 0084CE
C1743 82u 16V AAPD
C1744 0.1u 25V
IC1706
MD1422N
Q1705 C3928AR
R1752 3.3K
R1751 10K
D1726 DAN222
D1719 HSU119
R1750 100
D1718 1249CE 6.2V
L1765 22uH PA112WJ
R1745 0.15 TW 0.5W
R1746 0.15 TW 0.5W
C1748 0.01u
D1716 HSU119
D1717 SFPB74
R1766 220 F
R1768 220 F
R1747 2.7K F
R1748 390 F
FB1723 0084CE
C1751 0.1u 25V
R1767 1K F
R1769 1K F
R1749 2.2K F
C1750 150u 10V AAPD
C1747 1000P
C1749 0.1u 25V
C1746 0.01u
R1799 10
R1742 100K
C1745 1000P
R1743 1M
R1744 10K
NC VDD VDD VDD VDD NC VGH NC VB GND VTS VREF NC AMPOUT NC AMP-
P.GND NC VOUT VOUT VOUT VOUT NC VGL VBOOT NC VCC R/C GND OCL+ OCL- S/S
H G F E D C B A
1 2 3 4 5 6 7 8 9 10


IC1705 PQ050DZ1
VIN ON/OFF VOUT NC GND
R1715 10K
FB1721 0210TA
C1741 0.33u 16V
D1715 HSU119
C1742 100u 16V ASW
IC1704 PQ050DZ1
VIN ON/OFF VOUT NC GND
R1700 10K
FB1720 0210TA
C1739 0.33u 16V
D1714 HSU119
C1740 100u 16V ASW
D1702 HSU119
R1725 100
D1703 1241CE 4.7V
FB1705 0210TA
C1720 39u 16V AAPD
R1726 12 1/4W
Q1701 SI4435DY
FB1706 0210TA
L1701 22uH PA112WJ
FB1707 0210TA
D1704 SFPB74
C1721 120u 6.3V AAPD
FB1708 0210TA
R1727 2.7KF
R1728 330F
C1722 1000P 50V
R1729 1.8K F
R1730 12K F
D1705 HSU119
R1731 100
D1706 4.7V 1241CE
FB1709 0210TA
C1723 39u 16V AAPD
R1732 12 1/4W
Q1702 SI4435DY
FB1710 0210TA
L1702 22uH PA112WJ
FB1711 0210TA
D1707 SFPB74
C1724 120u 6.3V AAPD
FB1712 0210TA
R1733 3.3KF
R1734 330 F
R1735 1.5K F
C1725 1000P
D1727 0602GE 3.6V
R1736 47K F
*Q1704 B1132Q
*R1740 100 1/4W
*R1739 22K
*C1736 10u 16V
*D1712 1244CE 5.1V
*D1713 HSU119
*IC1703 PQ09DZ1U
FB1713 0210TA
C1726 39u 16V AAPD
R1737 12 1/4W
Q1703 SI4435DY
FB1714 0210TA
C1727 2200P
D1786 HSU119
D1787 1268CE 11V
T1701 WA109WJ
FB1715 0210TA
*FB1717 0210TA
*D1709 SFPB76
*C1733 0.1u 25V
*C1734 100u 16V ASW
FB1716 0210TA
D1708 SFPB76
C1728 220u 16V ASW
L1703 22uH P0159GE
C1729 0.1u 25V
R1738 22K
C1730 100u 16V ASW
*FB1719 0210TA
*C1731 0.1u 25V
*D1711 HSU119
*C1732 100u 16V ASW
D1710 D1FL20U
FB1718 0210TA
C1737 22u 50V ASW
C1738 0.1u 50V TVF
R1741 68K 1/8W
D1725 HSU119
P1701 NA051WJ
1 D+5V
2 D.GND
3 A+5V
4 A.GND
5 D+1.8VCV
6 D+1.8VCV
7 F.GND
8 D+3.3V
9 D.GND
10 A–5V/UR+6V
11 A+9V/NC
12 BU+5V
P1702 MA129WJ
20 GND | GND 19
18 A+35V | UR13V 17
16 ADJ1.8V | D_POW 15
14 UR6V | UR6V 13
12 ADJ3.3V | PS_ON 11
10 D3.3V | BU5V 9
8 GND | GND 7
6 GND | GND 5
4 EU_D_POW | OVP 3
2 AC_DET | UR10V 1
J1701 CA005WJ
D1720 HSU119
R1754 100
D1721 1262CE 9.1V
CIL L1752 22uH
FB1724 0210TA
C1752 39u 16V AAPD
R1755 12 1/4W
Q1706 SI4435DY
FB1725 0210TA
FB1726 0210TA
D1722 SFPB74
C1753 39u 16V AAPD
R1758 1K F
R1759 0.082 NZ0029TA
R1760 0.082 NZ0029TA
C1760 1u 10V
*R1756 220 F
*R1757 5.6K F
C1754 10u 16V
C1755 1u 16V TVB
R1776 10K
*R1777 10K
R1780 820K
C1798 0.047u 25V
R1761 10K
IC1707 LT1910
V+ NC SENSE GATE
GND TIMER FAULT IN
Q1707 SI4884DY
D1723 SFPB74
C1756 100u 16V ASW
10
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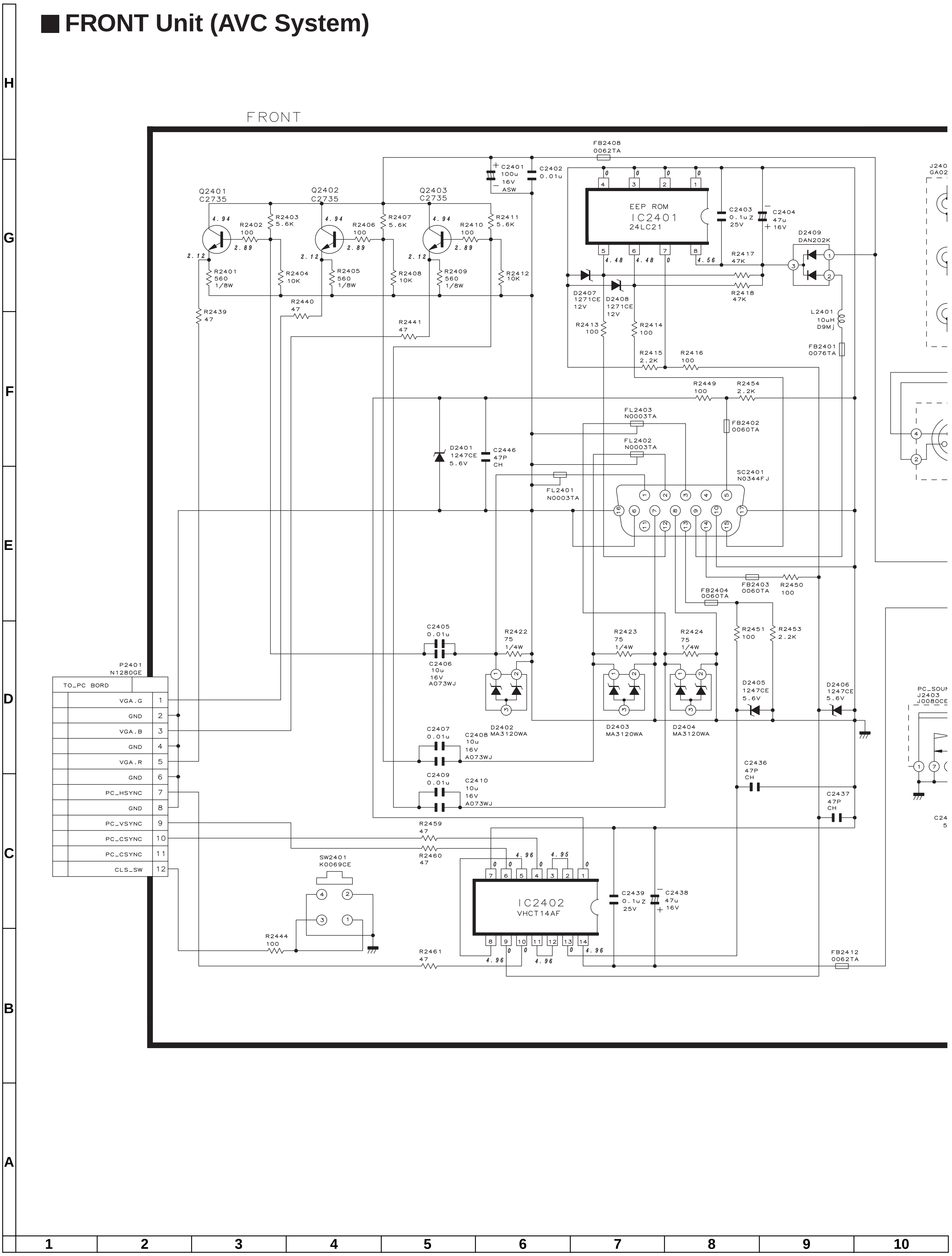
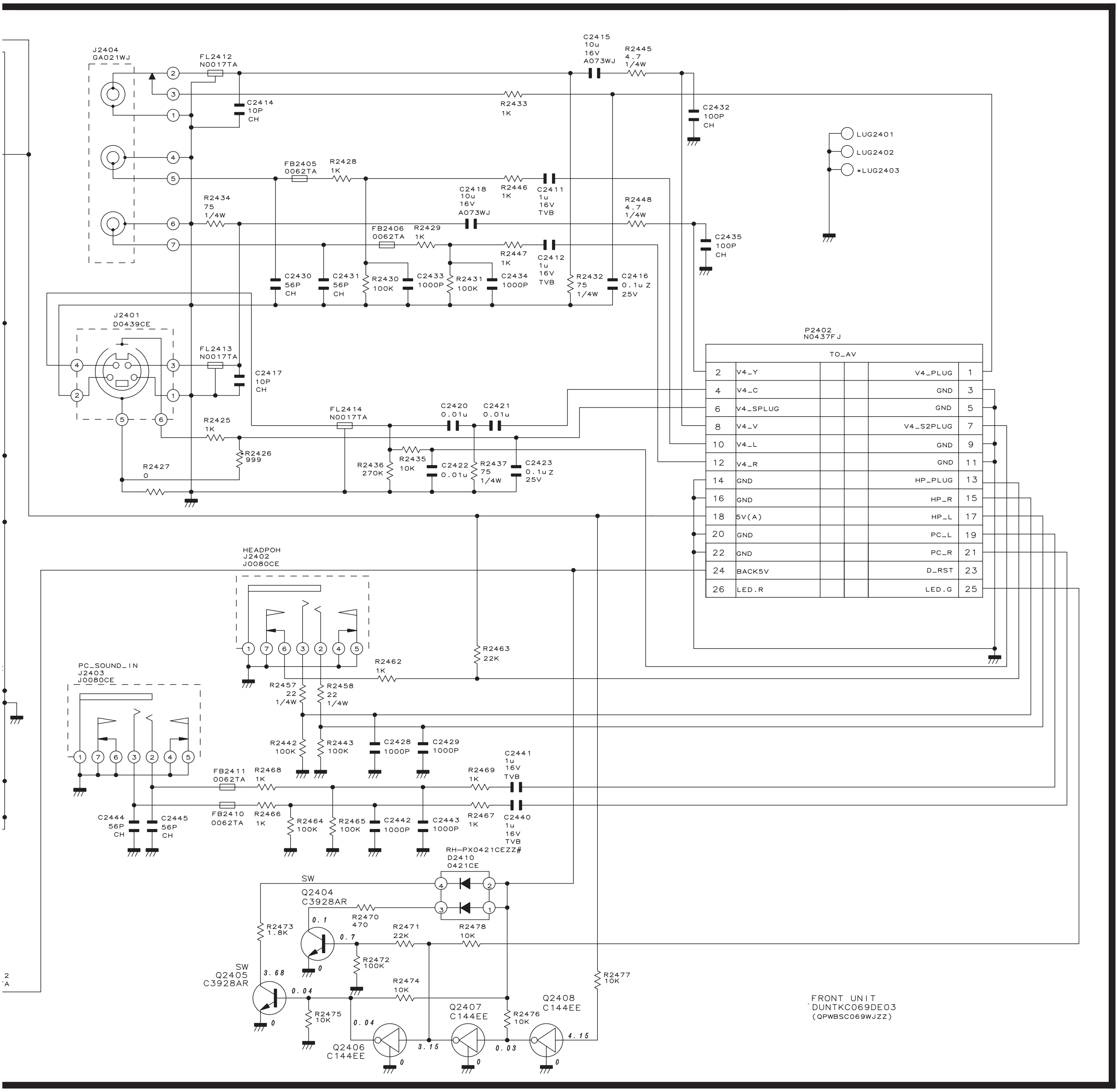
19

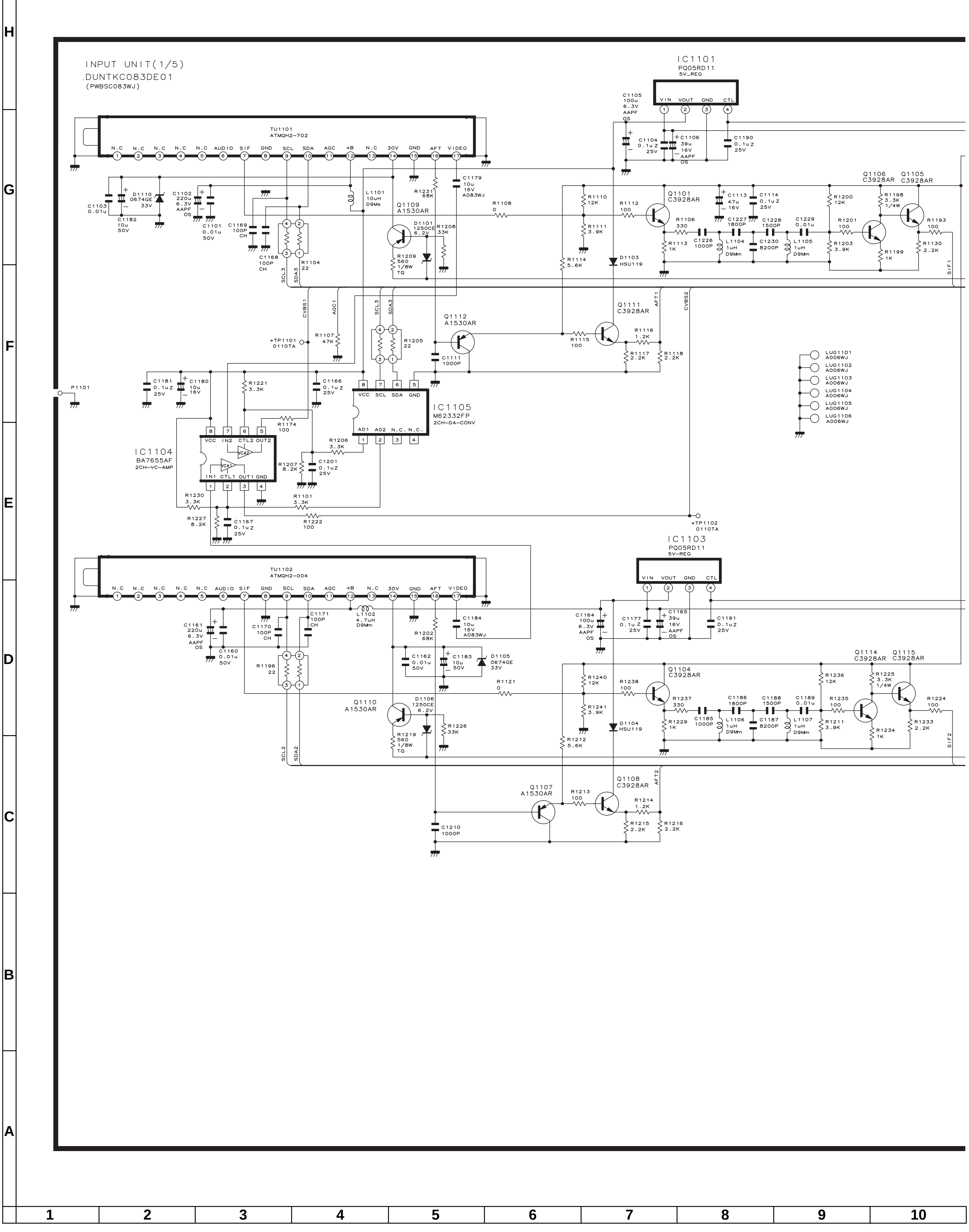
■ FRONT Unit (AVC System)

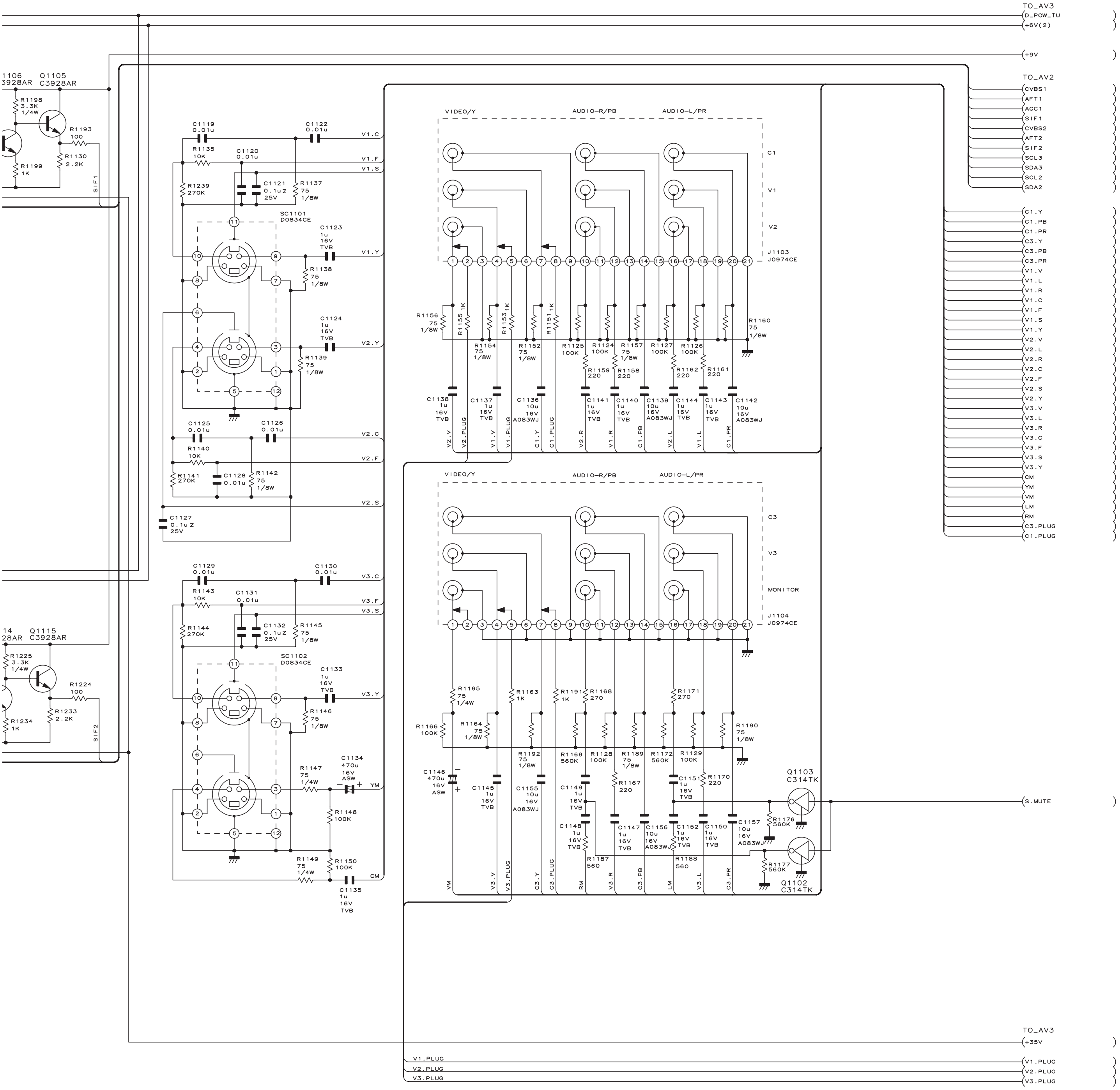

H
G
F
E
D
C
B
A
FRONT
Q2401 C2735
Q2402 C2735
Q2403 C2735
R2401 560 1/8W
R2402 100
R2403 5.6K
R2404 10K
R2405 560 1/8W
R2406 100
R2407 5.6K
R2408 10K
R2409 560 1/8W
R2410 100
R2411 5.6K
R2412 10K
R2439 47
R2440 47
R2441 47
4.94
2.89
2.12
C2401 100u 16V ASW
C2402 0.01u
FB2408 0062TA
EEP ROM
IC2401
24LC21
C2403 0.1uZ 25V
C2404 47u 16V
4.48
4.56
D2407 1271CE 12V
D2408 1271CE 12V
R2413 100
R2414 100
R2415 2.2K
R2416 100
R2417 47K
R2418 47K
D2409 DAN202K
L2401 10uH D9Mj
FB2401 0076TA
J240
GA02
R2449 100
R2454 2.2K
FL2403 N0003TA
FL2402 N0003TA
FL2401 N0003TA
FB2402 0060TA
D2401 1247CE 5.6V
C2446 47P CH
SC2401 N0344FJ
FB2403 0060TA
FB2404 0060TA
R2450 100
R2451 100
R2453 2.2K
C2405 0.01u
C2406 10u 16V A073WJ
R2422 75 1/4W
R2423 75 1/4W
R2424 75 1/4W
D2402 MA3120WA
D2403 MA3120WA
D2404 MA3120WA
D2405 1247CE 5.6V
D2406 1247CE 5.6V
C2407 0.01u
C2408 10u 16V A073WJ
C2409 0.01u
C2410 10u 16V A073WJ
C2436 47P CH
C2437 47P CH
PC_SOUN
J2403
J0080CE
C24
P2401 N1280GE
TO_PC BORD
VGA.G 1
GND 2
VGA.B 3
GND 4
VGA.R 5
GND 6
PC_HSYNC 7
GND 8
PC_VSYNC 9
PC_CSYNC 10
PC_CSYNC 11
CLS_SW 12
R2459 47
R2460 47
R2461 47
R2444 100
SW2401 K0069CE
IC2402
VHCT14AF
4.96
4.95
C2439 0.1uZ 25V
C2438 47u 16V
FB2412 0062TA
1
2
3
4
5
6
7
8
9
10


J2404
GA021WJ
FL2412
N0017TA
C2414
10P
CH
C2415
10u
16V
A073WJ
R2445
4.7
1/4W
R2433
1K
C2432
100P
CH
LUG2401
LUG2402
*LUG2403
FB2405
0062TA
R2428
1K
C2418
10u
16V
A073WJ
R2446
1K
C2411
1u
16V
TVB
R2434
75
1/4W
R2448
4.7
1/4W
C2435
100P
CH
FB2406
0062TA
R2429
1K
R2447
1K
C2412
1u
16V
TVB
C2430
56P
CH
C2431
56P
CH
R2430
100K
C2433
1000P
R2431
100K
C2434
1000P
R2432
75
1/4W
C2416
0.1u Z
25V
J2401
D0439CE
FL2413
N0017TA
C2417
10P
CH
P2402
N0437FJ
TO_AV
2 V4_Y V4_PLUG 1
4 V4_C GND 3
6 V4_SPLUG GND 5
8 V4_V V4_S2PLUG 7
10 V4_L GND 9
12 V4_R GND 11
14 GND HP_PLUG 13
16 GND HP_R 15
18 5V(A) HP_L 17
20 GND PC_L 19
22 GND PC_R 21
24 BACK5V D_RST 23
26 LED.R LED.G 25
FL2414
N0017TA
C2420
0.01u
C2421
0.01u
R2425
1K
R2426
999
R2435
10K
R2436
270K
C2422
0.01u
R2437
75
1/4W
C2423
0.1u Z
25V
R2427
0
HEADPOH
J2402
J0080CE
R2463
22K
R2462
1K
PC_SOUND_IN
J2403
J0080CE
R2457
22
1/4W
R2458
22
1/4W
R2442
100K
R2443
100K
C2428
1000P
C2429
1000P
FB2411
0062TA
R2468
1K
R2469
1K
C2441
1u
16V
TVB
FB2410
0062TA
R2466
1K
R2464
100K
R2465
100K
C2442
1000P
C2443
1000P
R2467
1K
C2440
1u
16V
TVB
C2444
56P
CH
C2445
56P
CH
RH-PX0421CEZZ#
D2410
0421CE
SW
Q2404
C3928AR
R2470
470
R2473
1.8K
R2471
22K
R2478
10K
R2472
100K
SW
Q2405
C3928AR
R2474
10K
R2475
10K
Q2406
C144EE
Q2407
C144EE
R2476
10K
Q2408
C144EE
R2477
10K
0.1
0.7
0
3.68
0.04
0
0.04
3.15
0
0.03
0
4.15
0
FRONT UNIT
DUNTKC069DE03
(QPWBSC069WJZZ)

10	11	12	13	14	15	16	17	18	19

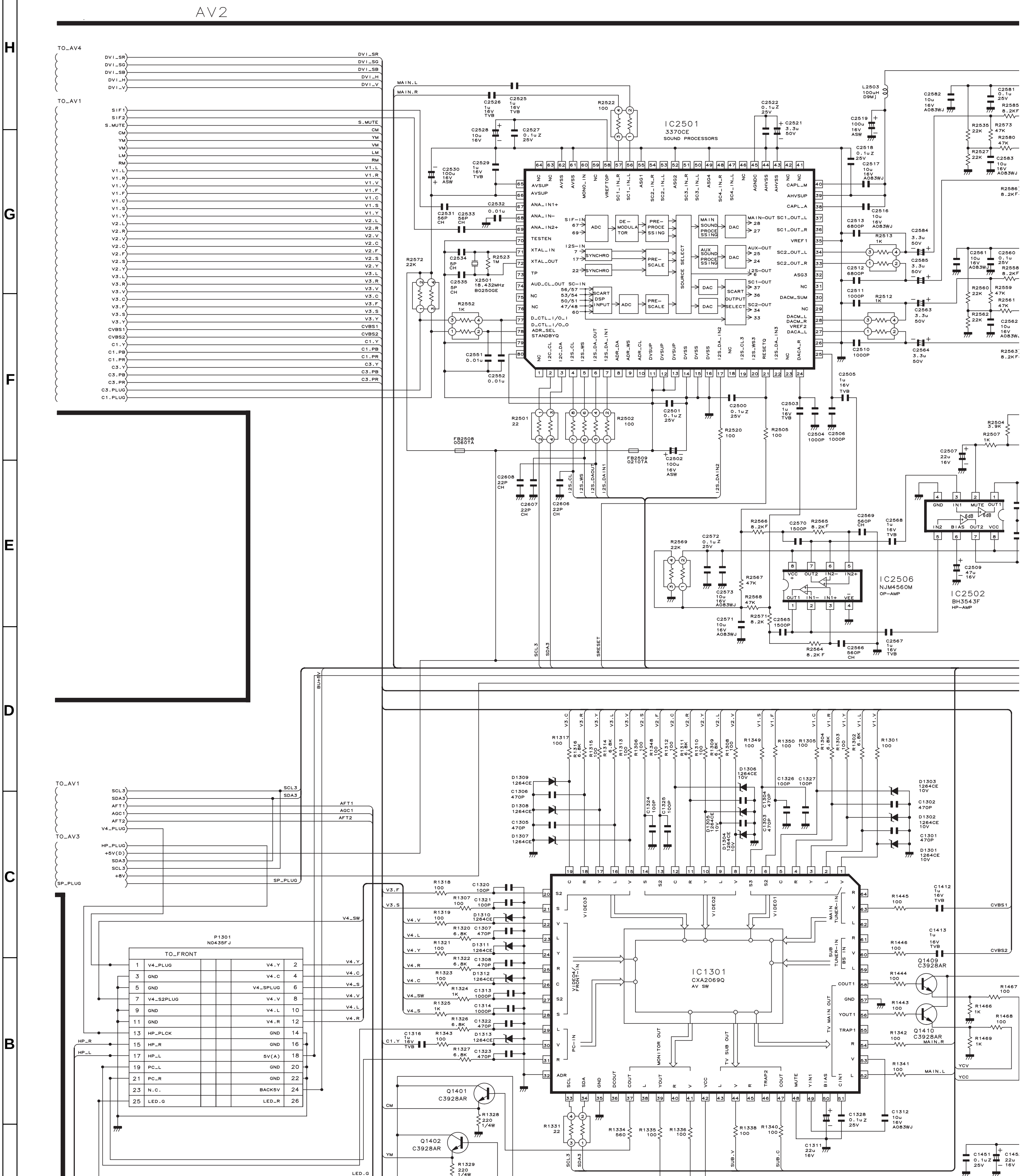
■ AV Unit-1/5 (AVC System)

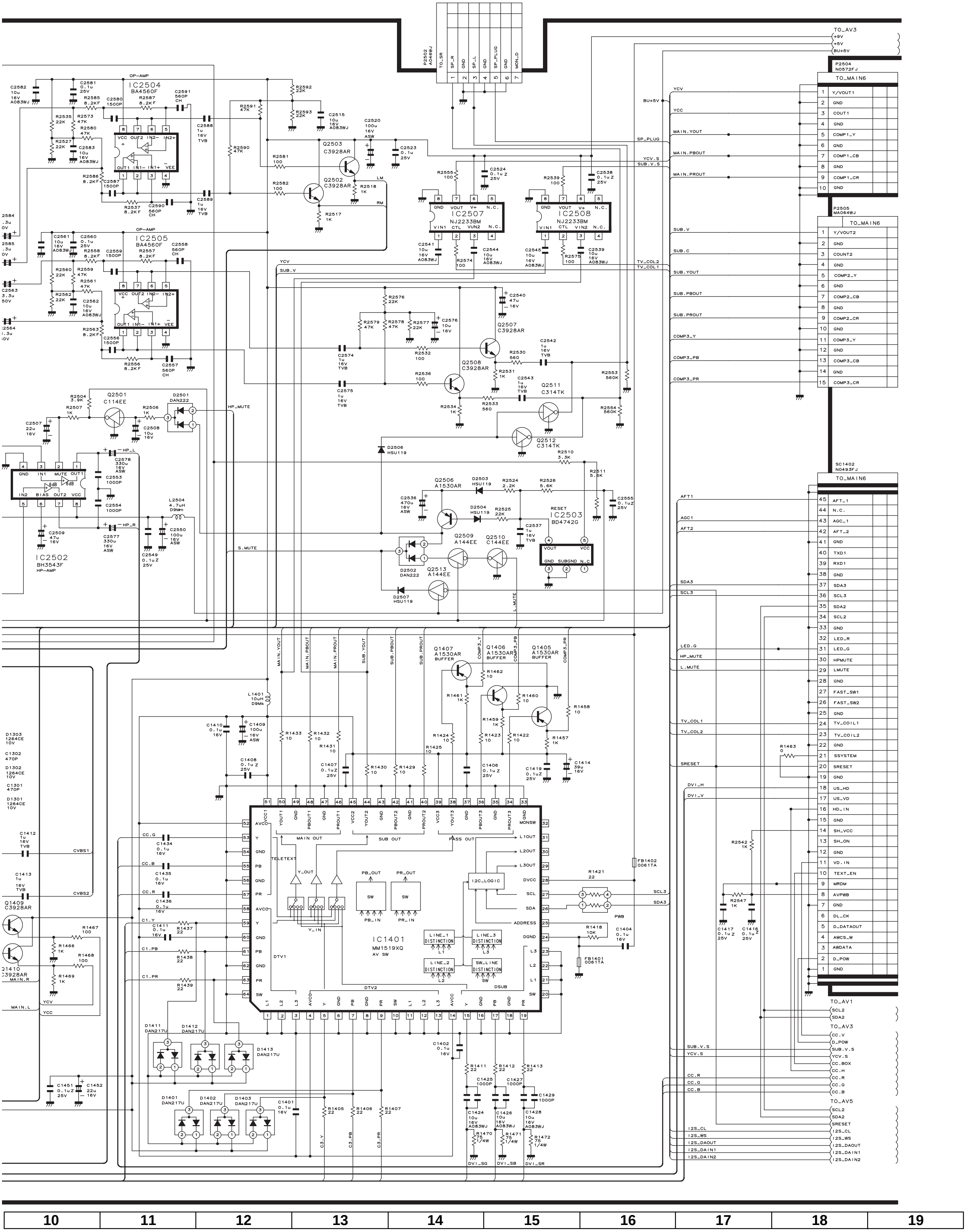

INPUT UNIT(1/5)
DUNTKC083DE01
(PWBSC083WJ)
TU1101
ATMQH2-702
N.C N.C N.C N.C N.C AUDIO SIF GND SCL SDA AGC +B N.C 30V GND AFT VIDEO
IC1101
PQ05RD11
5V_REG
VIN VOUT GND CTL
C1105 100u 6.3V AAPF OS
C1104 0.1u Z 25V
C1106 39u 16V AAPF OS
C1190 0.1u Z 25V
C1103 0.01u
C1182 10u 50V
D1110 0674GE 33V
C1102 220u 6.3V AAPF OS
C1101 0.01u 50V
C1169 100P CH
C1168 100P CH
R1104 22
L1101 10uH D9Mk
Q1109 A1530AR
R1231 68K
C1179 10u 16V A083WJ
D1101 1250CE 6.2V
R1208 33K
R1209 560 1/8W TQ
R1108 0
R1110 12K
R1111 3.9K
R1114 5.6K
R1112 100
Q1101 C3928AR
R1106 330
R1113 1K
D1103 HSU119
C1113 47u 16V
C1114 0.1u Z 25V
C1227 1800P
C1226 1000P
L1104 1uH D9Mm
C1228 1500P
C1230 8200P
C1229 0.01u
L1105 1uH D9Mm
Q1106 C3928AR
Q1105 C3928AR
R1200 12K
R1201 100
R1203 3.9K
R1198 3.3K 1/4W
R1199 1K
R1193 100
R1130 2.2K
SIF1
SCL3 SDA3
CVBS1 AGC1 SCL3 SDA3
AFT1 CVBS2
*TP1101 0110TA
R1107 47K
R1205 22
Q1112 A1530AR
C1111 1000P
R1115 100
Q1111 C3928AR
R1116 1.2K
R1117 2.2K
R1118 2.2K
LUG1101 A006WJ
LUG1102 A006WJ
LUG1103 A006WJ
LUG1104 A006WJ
LUG1105 A006WJ
LUG1106 A006WJ
P1101
C1181 0.1u Z 25V
C1180 10u 16V
R1221 3.3K
C1166 0.1u Z 25V
VCC SCL SDA GND
IC1105
M62332FP
2CH-DA-CONV
A01 A02 N.C. N.C.
R1174 100
R1206 3.3K
IC1104
BA7655AF
2CH-VC-AMP
VCC IN2 CTL2 OUT2
VCA2 VCA1
IN1 CTL1 OUT1 GND
R1207 8.2K
C1201 0.1u Z 25V
R1230 3.3K
R1101 3.3K
R1227 8.2K
C1167 0.1u Z 25V
R1222 100
*TP1102 0110TA
TU1102
ATMQH2-004
IC1103
PQ05RD11
5V-REG
VIN VOUT GND CTL
C1161 220u 6.3V AAPF OS
C1160 0.01u 50V
C1170 100P CH
C1171 100P CH
L1102 4.7uH D9Mm
R1196 22
R1202 68K
C1184 10u 16V A083WJ
C1164 100u 6.3V AAPF OS
C1177 0.1u Z 25V
C1165 39u 16V AAPF OS
C1191 0.1u Z 25V
C1162 0.01u 50V
C1183 10u 50V
D1105 0674GE 33V
R1121 0
Q1110 A1530AR
D1106 1250CE 6.2V
R1226 33K
R1219 560 1/8W TQ
SCL2 SDA2
R1240 12K
R1241 3.9K
R1212 5.6K
R1238 100
Q1104 C3928AR
R1237 330
R1229 1K
D1104 HSU119
C1186 1800P
C1185 1000P
L1106 1uH D9Mm
C1188 1500P
C1187 8200P
C1189 0.01u
L1107 1uH D9Mm
Q1114 C3928AR
Q1115 C3928AR
R1236 12K
R1235 100
R1211 3.9K
R1225 3.3K 1/4W
R1234 1K
R1224 100
R1233 2.2K
SIF2
AFT2
Q1107 A1530AR
R1213 100
Q1108 C3928AR
R1214 1.2K
R1215 2.2K
R1216 2.2K
C1210 1000P
H G F E D C B A
1 2 3 4 5 6 7 8 9 10


TO_AV3
D_POW_TU
+6V(2)
+9V
TO_AV2
CVBS1
AFT1
AGC1
SIF1
CVBS2
AFT2
SIF2
SCL3
SDA3
SCL2
SDA2
C1.Y
C1.PB
C1.PR
C3.Y
C3.PB
C3.PR
V1.V
V1.L
V1.R
V1.C
V1.F
V1.S
V1.Y
V2.V
V2.L
V2.R
V2.C
V2.F
V2.S
V2.Y
V3.V
V3.L
V3.R
V3.C
V3.F
V3.S
V3.Y
CM
YM
VM
LM
RM
C3.PLUG
C1.PLUG
Q1105 C3928AR
R1198 3.3K 1/4W
R1193 100
R1130 2.2K
R1199 1K
SIF1
C1119 0.01u
C1122 0.01u
R1135 10K
C1120 0.01u
R1239 270K
C1121 0.1uZ 25V
R1137 75 1/8W
SC1101 D0834CE
C1123 1u 16V TVB
R1138 75 1/8W
C1124 1u 16V TVB
R1139 75 1/8W
V1.C
V1.F
V1.S
V1.Y
V2.Y
C1125 0.01u
C1126 0.01u
R1140 10K
R1141 270K
C1128 0.01u
R1142 75 1/8W
C1127 0.1uZ 25V
V2.C
V2.F
V2.S
VIDEO/Y
AUDIO-R/PB
AUDIO-L/PR
C1
V1
V2
J1103 J0974CE
R1156 75 1/8W
R1155 1K
R1153 1K
R1151 1K
R1154 75 1/8W
R1152 75 1/8W
R1125 100K
R1124 100K
R1157 75 1/8W
R1127 100K
R1126 100K
R1160 75 1/8W
R1159 220
R1158 220
R1162 220
R1161 220
C1138 1u 16V TVB
C1137 1u 16V TVB
C1136 10u 16V A083WJ
C1141 1u 16V TVB
C1140 1u 16V TVB
C1139 10u 16V A083WJ
C1144 1u 16V TVB
C1143 1u 16V TVB
C1142 10u 16V A083WJ
V2.V
V2.PLUG
V1.V
V1.PLUG
C1.Y
C1.PLUG
V2.R
V1.R
C1.PB
V2.L
V1.L
C1.PR
Q1115 C3928AR
R1225 3.3K 1/4W
R1224 100
R1233 2.2K
R1234 1K
SIF2
C1129 0.01u
C1130 0.01u
R1143 10K
C1131 0.01u
R1144 270K
C1132 0.1uZ 25V
R1145 75 1/8W
SC1102 D0834CE
C1133 1u 16V TVB
R1146 75 1/8W
C1134 470u 16V ASW
R1147 75 1/4W
R1148 100K
R1149 75 1/4W
R1150 100K
C1135 1u 16V TVB
V3.C
V3.F
V3.S
V3.Y
YM
CM
C3
V3
MONITOR
J1104 J0974CE
R1165 75 1/4W
R1163 1K
R1191 1K
R1168 270
R1171 270
R1166 100K
R1164 75 1/8W
R1190 75 1/8W
R1192 75 1/8W
R1169 560K
R1128 100K
R1189 75 1/8W
R1172 560K
R1129 100K
C1146 470u 16V ASW
C1145 1u 16V TVB
C1155 10u 16V A083WJ
C1149 1u 16V TVB
R1167 220
C1151 1u 16V TVB
R1170 220
C1148 1u 16V TVB
C1147 1u 16V TVB
C1156 10u 16V A083WJ
C1152 1u 16V TVB
C1150 1u 16V TVB
C1157 10u 16V A083WJ
R1187 560
R1188 560
Q1103 C314TK
R1176 560K
R1177 560K
Q1102 C314TK
S.MUTE
VM
V3.V
V3.PLUG
C3.Y
C3.PLUG
RM
V3.R
C3.PB
LM
V3.L
C3.PR
TO_AV3
+35V
V1.PLUG
V2.PLUG
V3.PLUG

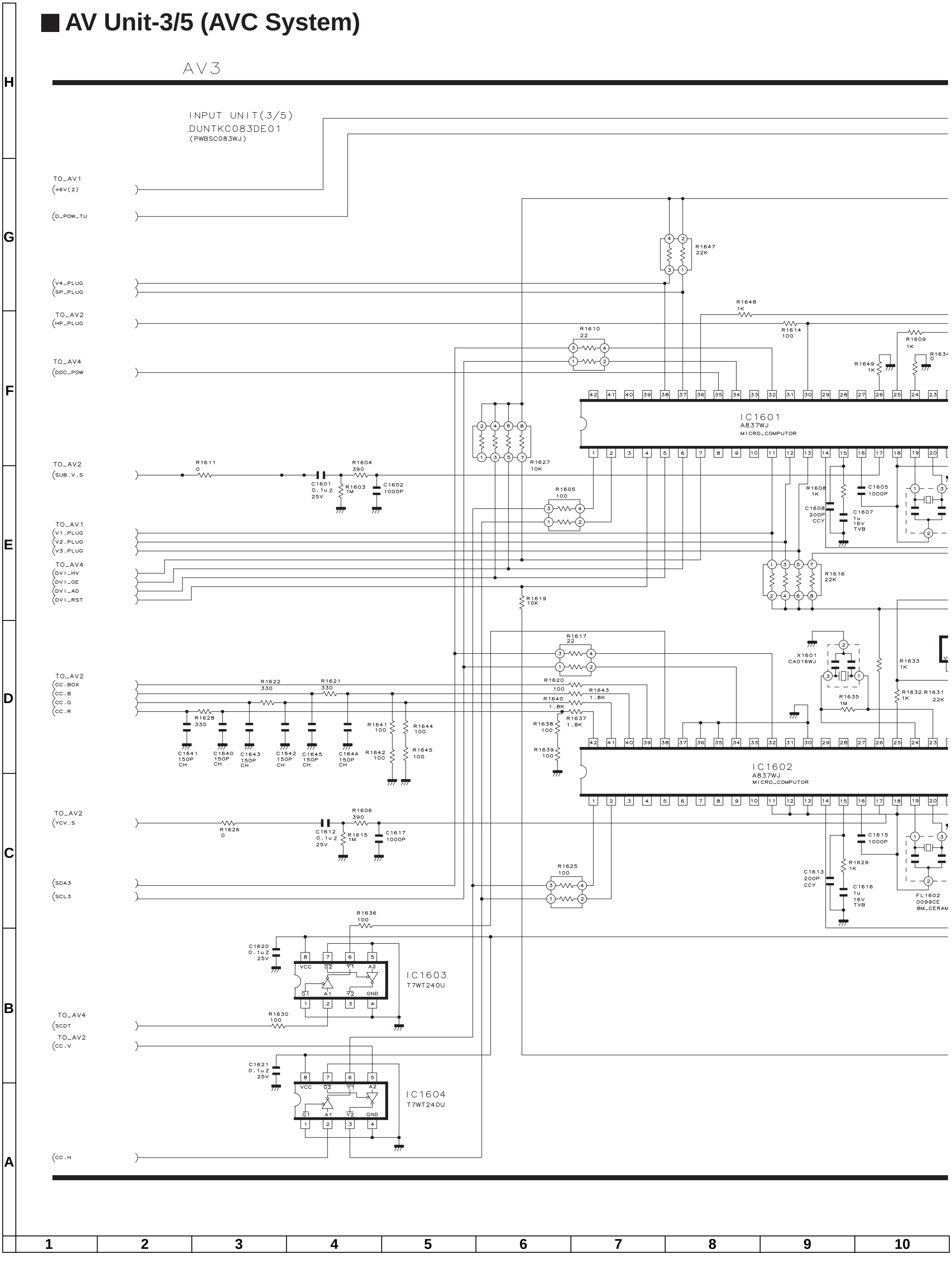
10	11	12	13	14	15	16	17	18	19

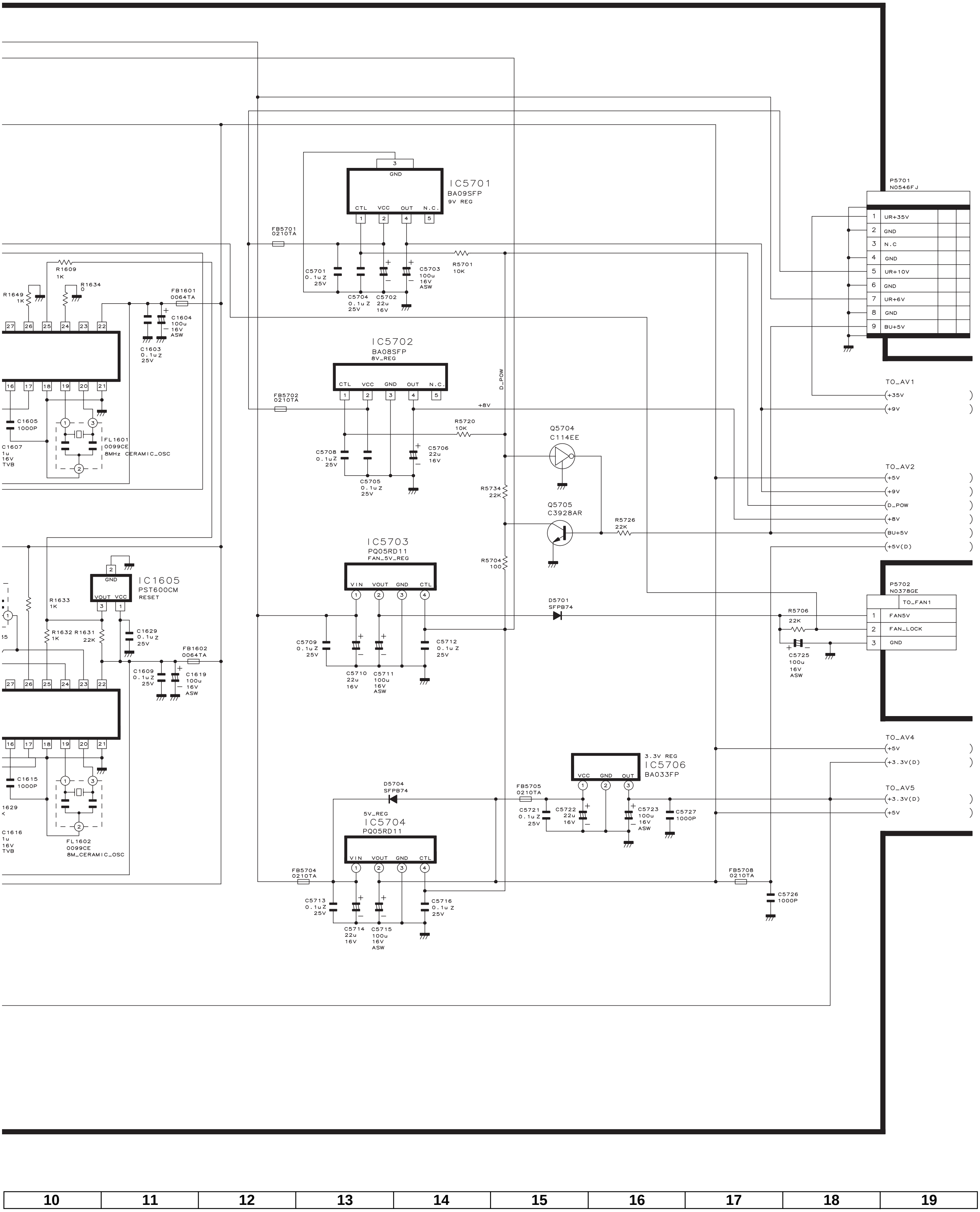
■ AV Unit-2/5 (AVC System)


AV2
TO_AV4
TO_AV1
TO_AV3
IC2501
3370CE
SOUND PROCESSORS
IC1301
CXA2069Q
AV SW
IC2506
NJM4560M
OP-AMP
IC2502
BH3543F
HP-AMP
P1301
N0435FJ
TO_FRONT
X2501
18.432MHz
B0250GE
Q1401 C3928AR
Q1402 C3928AR
Q1403 C3928AR
Q1409 C3928AR
Q1410 C3928AR
INPUT UNIT(2/5)
DUNTKC083DE01
(PWBSC083WJ)
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10

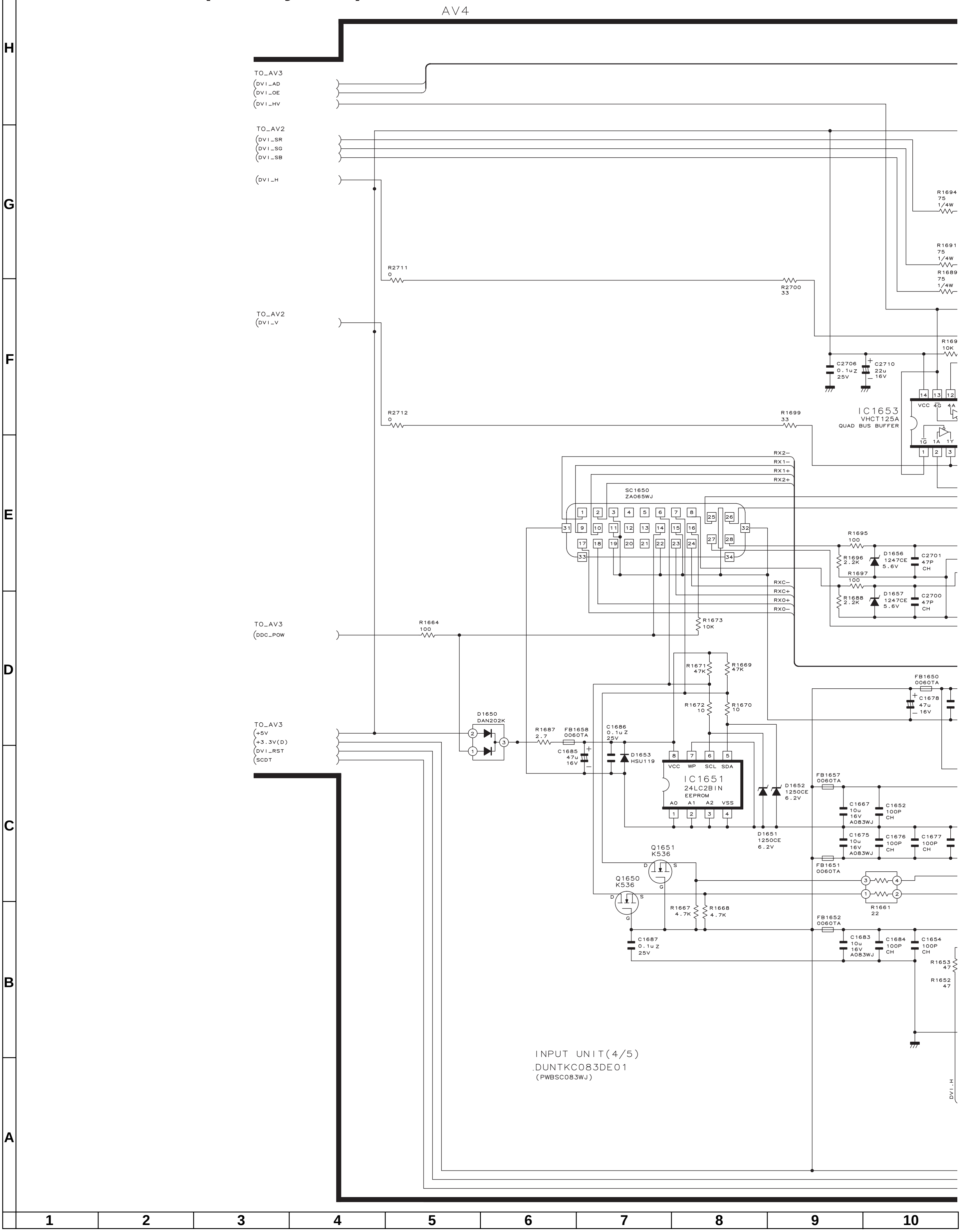

P2502
A046WJ
TO_SR
SP_R
GND
SP_L
GND
SP_PLUG
GND
MON_D
TO_AV3
+9V
+5V
BU+5V
P2504
N0572FJ
TO_MAIN6
Y/VOUT1
COUT1
COMP1_Y
COMP1_CB
COMP1_CR
P2505
MA064WJ
Y/VOUT2
COUNT2
COMP2_Y
COMP2_CB
COMP2_CR
COMP3_Y
COMP3_CB
COMP3_CR
OP-AMP
IC2504
BA4560F
IC2505
BA4560F
IC2507
NJ2233BM
IC2508
NJ2233BM
IC2502
BH3543F
HP-AMP
IC2503
BD4742G
RESET
Q2503
C3928AR
Q2502
C3928AR
Q2507
C3928AR
Q2508
C3928AR
Q2511
C314TK
Q2512
C314TK
Q2501
C114EE
D2501
DAN222
Q2506
A1530AR
Q2509
A144EE
Q2510
C144EE
Q2513
A144EE
D2502
DAN222
D2503
HSU119
D2504
HSU119
D2506
HSU119
D2507
HSU119
HP_MUTE
S.MUTE
L.MUTE
HP_L
HP_R
SC1402
N0493FJ
AFT_1
N.C.
AGC_1
AFT_2
TXD1
RXD1
SDA3
SCL3
SDA2
SCL2
LED_R
LED_G
HPMUTE
LMUTE
FAST_SW1
FAST_SW2
TV_COIL1
TV_COIL2
SSYSTEM
SRESET
US_HD
US_VD
HD_IN
SH_VCC
SH_ON
VD.IN
TEXT_EN
MRDM
AVPWB
DL_CK
D_DATAOUT
AWCS_W
AWDATA
D_POW
IC1401
MM1519XQ
AV SW
MAIN OUT
SUB OUT
PASS OUT
TELETEXT
Y_OUT
Y_IN
PB_OUT
PR_OUT
PB_IN
PR_IN
I2C_LOGIC
LINE_1 DISTINCTION
LINE_2 DISTINCTION
LINE_3 DISTINCTION
SW_LINE DISTINCTION
DTV1
DTV2
DSUB
Q1407
A1530AR
Q1406
A1530AR
Q1405
A1530AR
BUFFER
Q1409
C3928AR
Q1410
C3928AR
D1401
DAN217U
D1402
DAN217U
D1403
DAN217U
D1411
DAN217U
D1412
DAN217U
D1413
DAN217U
FB1401
0061TA
FB1402
0061TA
L1401
10uH
PWB
TO_AV1
TO_AV5
I2S_CL
I2S_WS
I2S_DAOUT
I2S_DAIN1
I2S_DAIN2
DVI_SG
DVI_SB
DVI_SR
C3_Y
C3_PB
C3_PR
MAIN.YOUT
MAIN.PBOUT
MAIN.PROUT
SUB.YOUT
SUB.PBOUT
SUB.PROUT
SUB.V.S
YCV.S
CC.G
CC.B
CC.R
CVBS1
CVBS2
MAIN.L
10
11
12
13
14
15
16
17
18
19

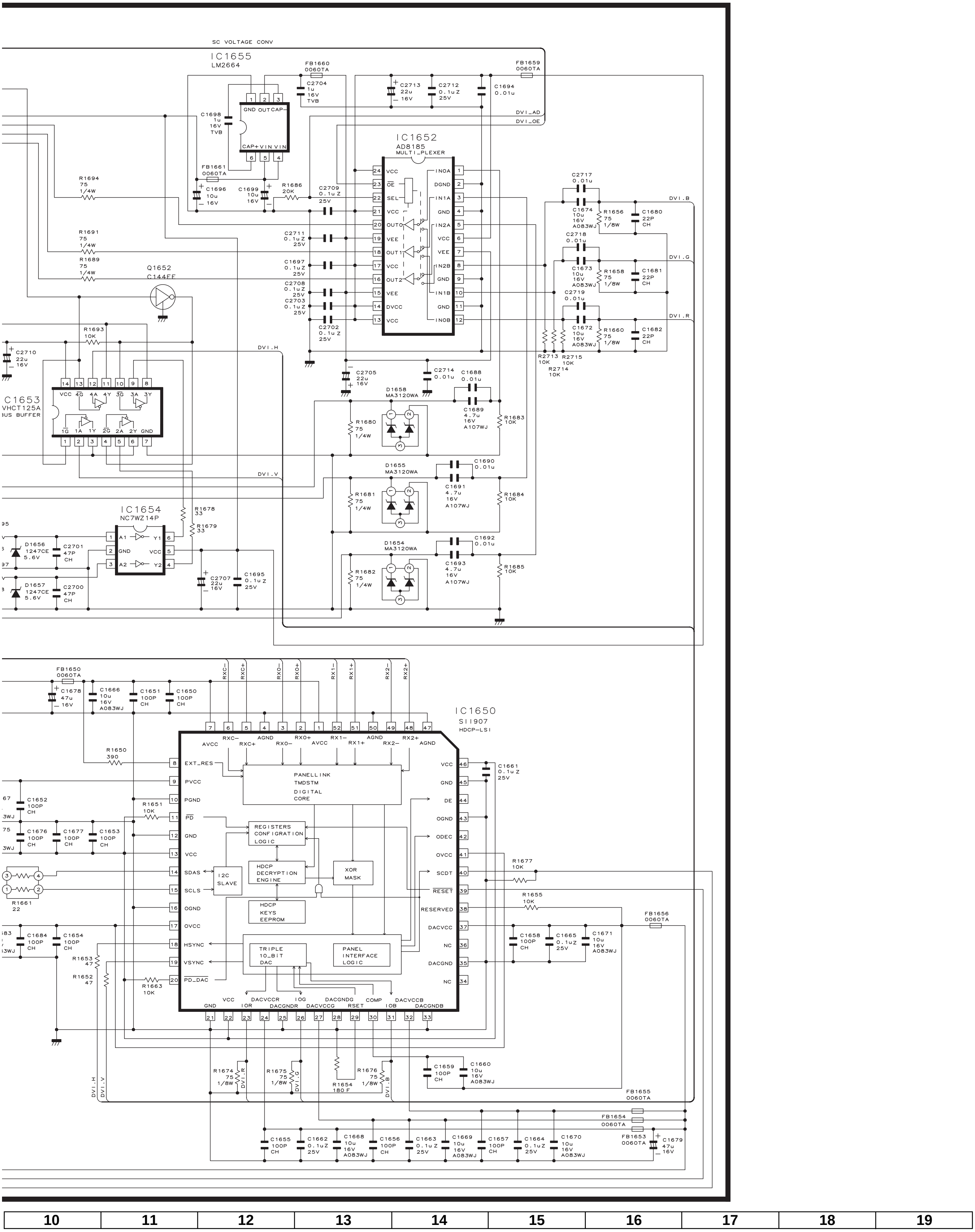
■ AV Unit-3/5 (AVC System)


AV3
INPUT UNIT(3/5)
DUNTKC083DE01
(PWBSC083WJ)
TO_AV1
+6V(2)
D_POW_TU
V4_PLUG
SP_PLUG
TO_AV2
HP_PLUG
TO_AV4
DDC_POW
TO_AV2
SUB.V.S
TO_AV1
V1.PLUG
V2.PLUG
V3.PLUG
TO_AV4
DVI_HV
DVI_OE
DVI_AD
DVI_RST
TO_AV2
CC.BOX
CC.B
CC.G
CC.R
TO_AV2
YCV.S
SDA3
SCL3
TO_AV4
SCDT
TO_AV2
CC.V
CC.H
R1647 22K
R1648 1K
R1610 22
R1614 100
R1609 1K
R1649 1K
R1634 0
IC1601
A837WJ
MICRO_COMPUTOR
R1627 10K
R1611 0
C1601 0.1u Z 25V
R1604 390
R1603 1M
C1602 1000P
R1605 100
R1608 1K
C1605 1000P
C1608 200P CCY
C1607 1u 16V TVB
R1616 22K
R1619 10K
R1617 22
X1601 CA016WJ
R1633 1K
R1635 1M
R1632 1K
R1631 22K
R1622 330
R1621 330
R1628 330
R1620 100
R1643 1.8K
R1640 1.8K
R1637 1.8K
R1638 100
R1639 100
R1641 100
R1644 100
R1642 100
R1645 100
C1641 150P CH
C1640 150P CH
C1643 150P CH
C1642 150P CH
C1645 150P CH
C1644 150P CH
IC1602
A837WJ
MICRO_COMPUTOR
R1606 390
R1626 0
C1612 0.1u Z 25V
R1615 1M
C1617 1000P
C1615 1000P
R1629 1K
C1613 200P CCY
C1616 1u 16V TVB
FL1602 0099CE 8M_CERAM
R1625 100
R1636 100
C1620 0.1u Z 25V
IC1603
T7WT240U
VCC G2 Y1 A2
G1 A1 Y2 GND
R1630 100
C1621 0.1u Z 25V
IC1604
T7WT240U
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10


IC5701
BA09SFP
9V REG
GND
CTL VCC OUT N.C.
FB5701
0210TA
C5701
0.1u Z
25V
C5704
0.1u Z
25V
C5702
22u
16V
C5703
100u
16V
ASW
R5701
10K
R1609
1K
R1634
0
R1649
1K
FB1601
0064TA
C1604
100u
16V
ASW
C1603
0.1u Z
25V
C1605
1000P
C1607
1u
16V
TVB
FL1601
0099CE
8MHz CERAMIC_OSC
IC5702
BA08SFP
8V_REG
CTL VCC GND OUT N.C.
FB5702
0210TA
+8V
D_POW
R5720
10K
C5708
0.1u Z
25V
C5705
0.1u Z
25V
C5706
22u
16V
Q5704
C114EE
Q5705
C3928AR
R5734
22K
R5726
22K
R5704
100
IC5703
PQ05RD11
FAN_5V_REG
VIN VOUT GND CTL
D5701
SFPB74
C5709
0.1u Z
25V
C5710
22u
16V
C5711
100u
16V
ASW
C5712
0.1u Z
25V
IC1605
PST600CM
RESET
GND
VOUT VCC
R1633
1K
R1632
1K
R1631
22K
C1629
0.1u Z
25V
FB1602
0064TA
C1609
0.1u Z
25V
C1619
100u
16V
ASW
C1615
1000P
1629
C1616
1u
16V
TVB
FL1602
0099CE
8M_CERAMIC_OSC
P5701
N0546FJ
1 UR+35V
2 GND
3 N.C
4 GND
5 UR+10V
6 GND
7 UR+6V
8 GND
9 BU+5V
TO_AV1
(+35V
(+9V
TO_AV2
(+5V
(+9V
(D_POW
(+8V
(BU+5V
(+5V(D)
P5702
N0378GE
TO_FAN1
1 FAN5V
2 FAN_LOCK
3 GND
R5706
22K
C5725
100u
16V
ASW
TO_AV4
(+5V
(+3.3V(D)
TO_AV5
(+3.3V(D)
(+5V
3.3V REG
IC5706
BA033FP
VCC GND OUT
FB5705
0210TA
C5721
0.1u Z
25V
C5722
22u
16V
C5723
100u
16V
ASW
C5727
1000P
D5704
SFPB74
5V_REG
IC5704
PQ05RD11
VIN VOUT GND CTL
FB5704
0210TA
C5713
0.1u Z
25V
C5714
22u
16V
C5715
100u
16V
ASW
C5716
0.1u Z
25V
FB5708
0210TA
C5726
1000P
10 11 12 13 14 15 16 17 18 19

■ AV Unit-4/5 (AVC System)


AV4
TO_AV3
DVI_AD
DVI_OE
DVI_HV
TO_AV2
DVI_SR
DVI_SG
DVI_SB
DVI_H
R1694 75 1/4W
R1691 75 1/4W
R1689 75 1/4W
R2711 0
R2700 33
TO_AV2
DVI_V
R169 10K
C2706 0.1uZ 25V
C2710 22u 16V
IC1653 VHCT125A QUAD BUS BUFFER
VCC 4G 4A
1G 1A 1Y
R2712 0
R1699 33
RX2−
RX1−
RX1+
RX2+
SC1650 ZA065WJ
R1695 100
R1696 2.2K
D1656 1247CE 5.6V
C2701 47P CH
R1697 100
R1688 2.2K
D1657 1247CE 5.6V
C2700 47P CH
RXC−
RXC+
RX0+
RX0−
R1673 10K
TO_AV3
DDC_POW
R1664 100
R1671 47K
R1669 47K
FB1650 0060TA
C1678 47u 16V
R1672 10
R1670 10
D1650 DAN202K
TO_AV3
+5V
+3.3V(D)
DVI_RST
SCDT
R1687 2.7
FB1658 0060TA
C1686 0.1uZ 25V
C1685 47u 16V
D1653 HSU119
IC1651 24LC2BIN EEPROM
VCC WP SCL SDA
A0 A1 A2 VSS
D1652 1250CE 6.2V
FB1657 0060TA
C1667 10u 16V A083WJ
C1652 100P CH
D1651 1250CE 6.2V
C1675 10u 16V A083WJ
C1676 100P CH
C1677 100P CH
FB1651 0060TA
Q1651 K536
Q1650 K536
R1661 22
R1667 4.7K
R1668 4.7K
FB1652 0060TA
C1683 10u 16V A083WJ
C1684 100P CH
C1654 100P CH
C1687 0.1uZ 25V
R1653 47
R1652 47
INPUT UNIT(4/5)
DUNTKC083DE01
(PWBSC083WJ)
DVI_H
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10


SC VOLTAGE CONV
IC1655
LM2664
GND OUT CAP-
CAP+ VIN VIN
FB1660
0060TA
C2704
1u
16V
TVB
C1698
1u
16V
TVB
FB1661
0060TA
C1696
10u
16V
C1699
10u
16V
R1686
20K
C2709
0.1u Z
25V
C2713
22u
16V
C2712
0.1u Z
25V
C1694
0.01u
FB1659
0060TA
DVI_AD
DVI_OE
IC1652
AD8185
MULTI_PLEXER
VCC
OE
SEL
VCC
OUT0
VEE
OUT1
VCC
OUT2
VEE
DVCC
VCC
IN0A
DGND
IN1A
GND
IN2A
VCC
VEE
IN2B
GND
IN1B
GND
IN0B
C2711
0.1u Z
25V
C1697
0.1u Z
25V
C2708
0.1u Z
25V
C2703
0.1u Z
25V
C2702
0.1u Z
25V
R1694
75
1/4W
R1691
75
1/4W
R1689
75
1/4W
Q1652
C144EE
R1693
10K
C2710
22u
16V
IC1653
VHCT125A
BUS BUFFER
VCC 4G 4A 4Y 3G 3A 3Y
1G 1A 1Y 2G 2A 2Y GND
DVI.H
DVI.V
C2717
0.01u
C1674
10u
16V
A083WJ
R1656
75
1/8W
C1680
22P
CH
DVI.B
C2718
0.01u
C1673
10u
16V
A083WJ
R1658
75
1/8W
C1681
22P
CH
DVI.G
C2719
0.01u
C1672
10u
16V
A083WJ
R1660
75
1/8W
C1682
22P
CH
DVI.R
R2713
10K
R2714
10K
R2715
10K
C2705
22u
16V
C2714
0.01u
C1688
0.01u
D1658
MA3120WA
C1689
4.7u
16V
A107WJ
R1680
75
1/4W
R1683
10K
D1655
MA3120WA
C1690
0.01u
C1691
4.7u
16V
A107WJ
R1681
75
1/4W
R1684
10K
D1654
MA3120WA
C1692
0.01u
C1693
4.7u
16V
A107WJ
R1682
75
1/4W
R1685
10K
IC1654
NC7WZ14P
A1 Y1
GND VCC
A2 Y2
R1678
33
R1679
33
D1656
1247CE
5.6V
C2701
47P
CH
D1657
1247CE
5.6V
C2700
47P
CH
C2707
22u
16V
C1695
0.1u Z
25V
FB1650
0060TA
C1678
47u
16V
C1666
10u
16V
A083WJ
C1651
100P
CH
C1650
100P
CH
RXC- RXC+ RX0- RX0+ RX1- RX1+ RX2- RX2+
IC1650
SII907
HDCP-LSI
AVCC RXC- RXC+ AGND RX0- RX0+ AVCC RX1- RX1+ AGND RX2- RX2+ AGND
EXT_RES
PVCC
PGND
PD
GND
VCC
SDAS
SCLS
OGND
OVCC
HSYNC
VSYNC
PD_DAC
PANELLINK
TMDSTM
DIGITAL
CORE
REGISTERS
CONFIGRATION
LOGIC
I2C
SLAVE
HDCP
DECRYPTION
ENGINE
XOR
MASK
HDCP
KEYS
EEPROM
TRIPLE
10_BIT
DAC
PANEL
INTERFACE
LOGIC
VCC
GND
DE
OGND
ODEC
OVCC
SCDT
RESET
RESERVED
DACVCC
NC
DACGND
NC
GND VCC IOR DACVCCR DACGNDR IOG DACVCCG DACGNDG RSET COMP IOB DACVCCB DACGNDB
R1650
390
R1651
10K
C1652
100P
CH
C1676
100P
CH
C1677
100P
CH
C1653
100P
CH
R1661
22
C1684
100P
CH
C1654
100P
CH
R1653
47
R1652
47
R1663
10K
C1661
0.1u Z
25V
R1677
10K
R1655
10K
FB1656
0060TA
C1658
100P
CH
C1665
0.1u Z
25V
C1671
10u
16V
A083WJ
R1674
75
1/8W
R1675
75
1/8W
R1654
180 F
R1676
75
1/8W
C1659
100P
CH
C1660
10u
16V
A083WJ
FB1655
0060TA
FB1654
0060TA
FB1653
0060TA
C1655
100P
CH
C1662
0.1u Z
25V
C1668
10u
16V
A083WJ
C1656
100P
CH
C1663
0.1u Z
25V
C1669
10u
16V
A083WJ
C1657
100P
CH
C1664
0.1u Z
25V
C1670
10u
16V
A083WJ
C1679
47u
16V
10
11
12
13
14
15
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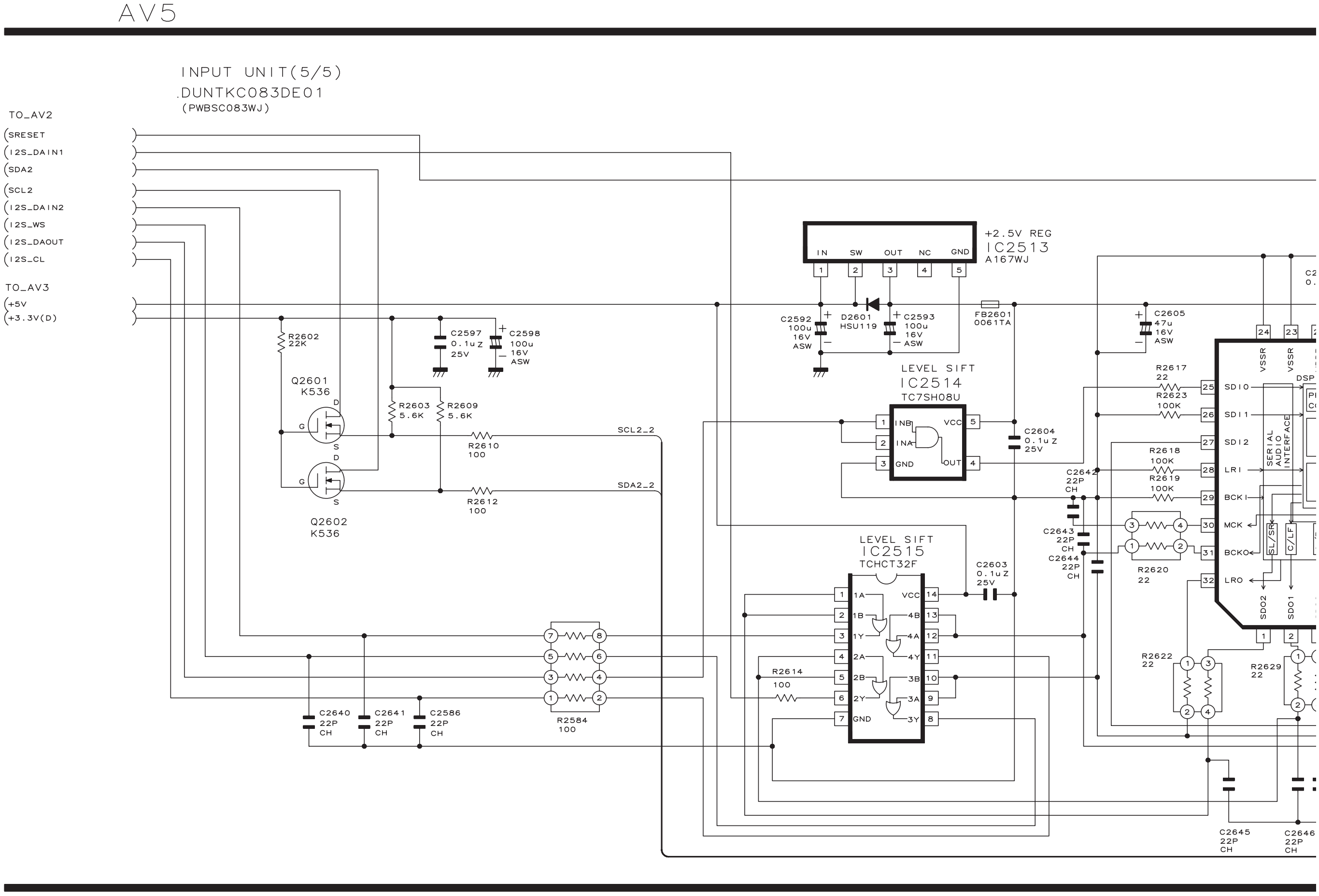
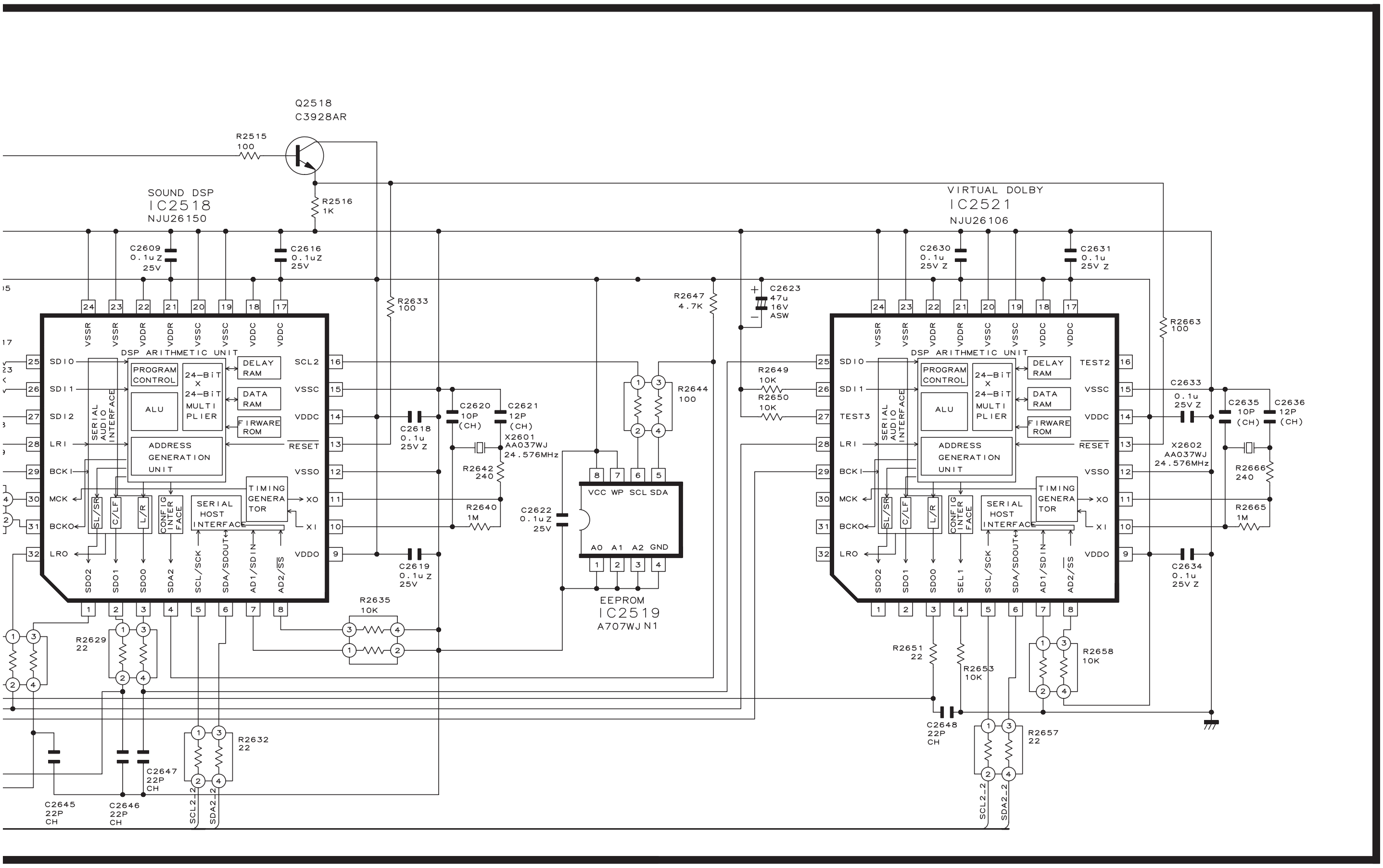
17
18
19

■ AV Unit-5/5 (AVC System)


AV5
INPUT UNIT(5/5)
DUNTKC083DE01
(PWBSC083WJ)
TO_AV2
SRESET
I2S_DAIN1
SDA2
SCL2
I2S_DAIN2
I2S_WS
I2S_DAOUT
I2S_CL
TO_AV3
+5V
+3.3V(D)
R2602 22K
Q2601 K536
Q2602 K536
C2597 0.1uZ 25V
C2598 100u 16V ASW
R2603 5.6K
R2609 5.6K
R2610 100
R2612 100
SCL2_2
SDA2_2
+2.5V REG
IC2513
A167WJ
IN SW OUT NC GND
C2592 100u 16V ASW
D2601 HSU119
C2593 100u 16V ASW
FB2601 0061TA
LEVEL SIFT
IC2514
TC7SH08U
INB INA GND VCC OUT
C2604 0.1uZ 25V
LEVEL SIFT
IC2515
TCHCT32F
1A 1B 1Y 2A 2B 2Y GND VCC 4B 4A 4Y 3B 3A 3Y
C2603 0.1uZ 25V
R2614 100
R2584 100
C2640 22P CH
C2641 22P CH
C2586 22P CH
C2605 47u 16V ASW
C2642 22P CH
C2643 22P CH
C2644 22P CH
R2617 22
R2623 100K
R2618 100K
R2619 100K
R2620 22
R2622 22
R2629 22
C2645 22P CH
C2646 22P CH
VSSR VSSR
SDI0 SDI1 SDI2 LRI BCKI MCK BCKO LRO
SERIAL AUDIO INTERFACE
SL/SR C/LF
SDO2 SDO1
DSP

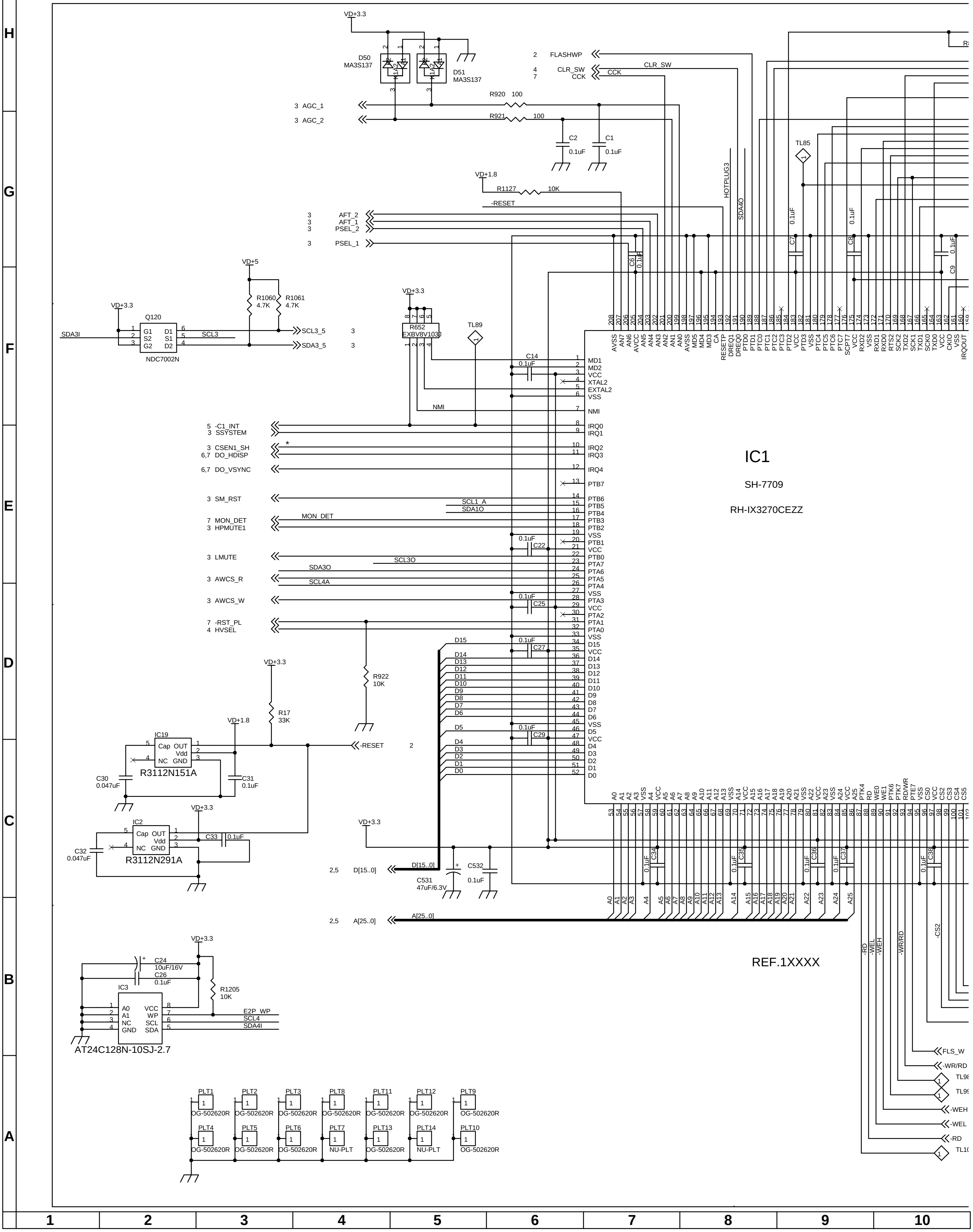


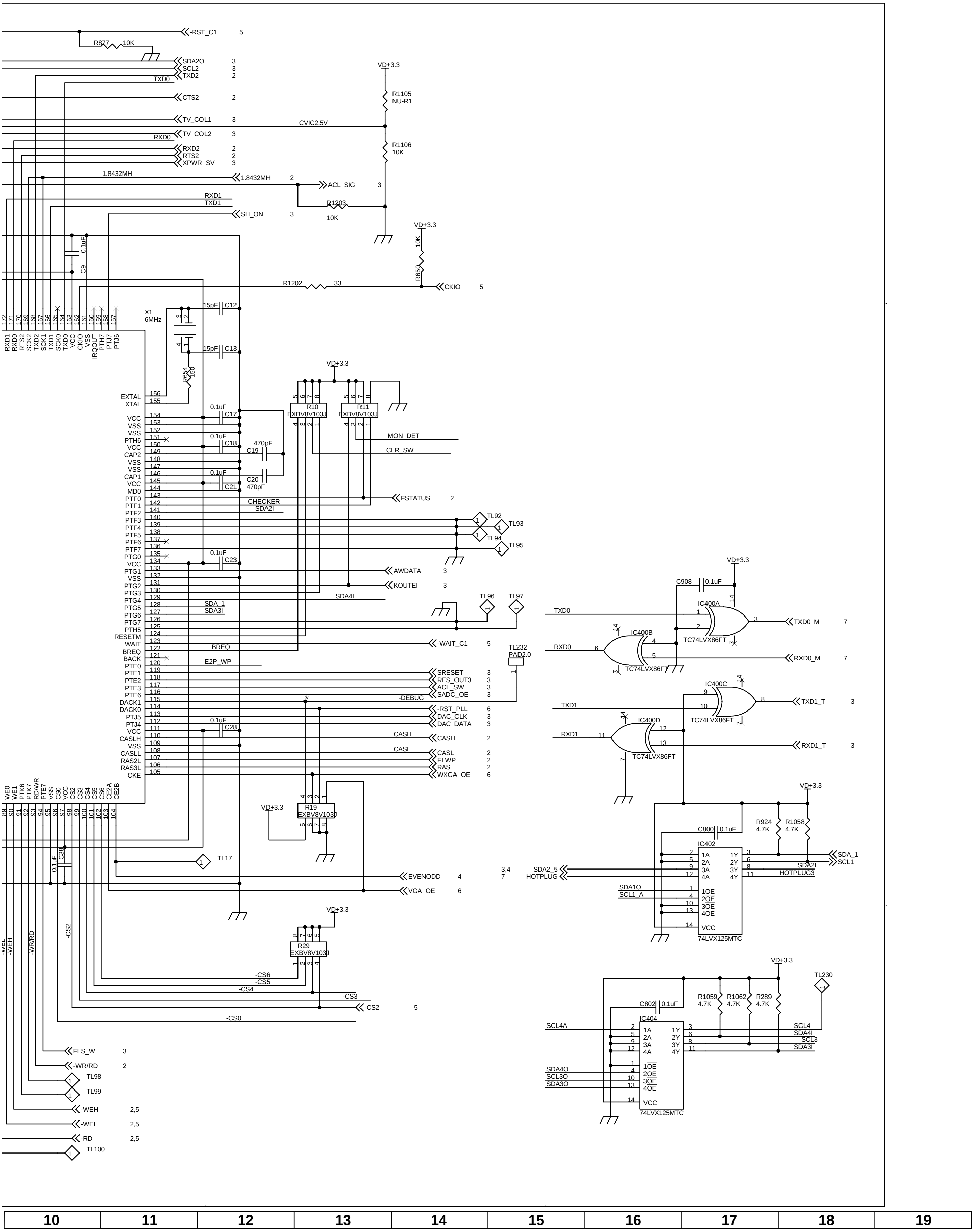
Q2518
C3928AR
R2515
100
R2516
1K
SOUND DSP
IC2518
NJU26150
VIRTUAL DOLBY
IC2521
NJU26106
C2609
0.1uZ
25V
C2616
0.1uZ
25V
R2633
100
R2647
4.7K
C2623
47u
16V
ASW
C2630
0.1u
25V Z
C2631
0.1u
25V Z
R2663
100
VSSR
VDDR
VSSC
VDDC
DSP ARITHMETIC UNIT
PROGRAM CONTROL
24-BIT X 24-BIT MULTI PLIER
DELAY RAM
DATA RAM
FIRWARE ROM
ALU
SERIAL AUDIO INTERFACE
ADDRESS GENERATION UNIT
TIMING GENERA TOR
SERIAL HOST INTERFACE
CONFIG INTER FACE
SL/SR
C/LF
L/R
SDI0
SDI1
SDI2
LRI
BCKI
MCK
BCKO
LRO
SCL2
VSSC
VDDC
RESET
VSSO
XO
XI
VDDO
SDO2
SDO1
SDO0
SDA2
SCL/SCK
SDA/SDOUT
AD1/SDIN
AD2/SS
TEST2
TEST3
SEL1
C2618
0.1u
25V Z
C2619
0.1uZ
25V
C2620
10P
(CH)
C2621
12P
(CH)
X2601
AA037WJ
24.576MHz
R2642
240
R2640
1M
C2622
0.1uZ
25V
R2644
100
VCC WP SCL SDA
A0 A1 A2 GND
EEPROM
IC2519
A707WJN1
R2635
10K
R2629
22
R2632
22
C2645
22P
CH
C2646
22P
CH
C2647
22P
CH
SCL2_2
SDA2_2
R2649
10K
R2650
10K
C2633
0.1u
25V Z
C2634
0.1u
25V Z
C2635
10P
(CH)
C2636
12P
(CH)
X2602
AA037WJ
24.576MHz
R2666
240
R2665
1M
R2651
22
R2653
10K
R2658
10K
R2657
22
C2648
22P
CH

10	11	12	13	14	15	16	17	18	19

■ PC I/F Unit-1/7 (AVC System)

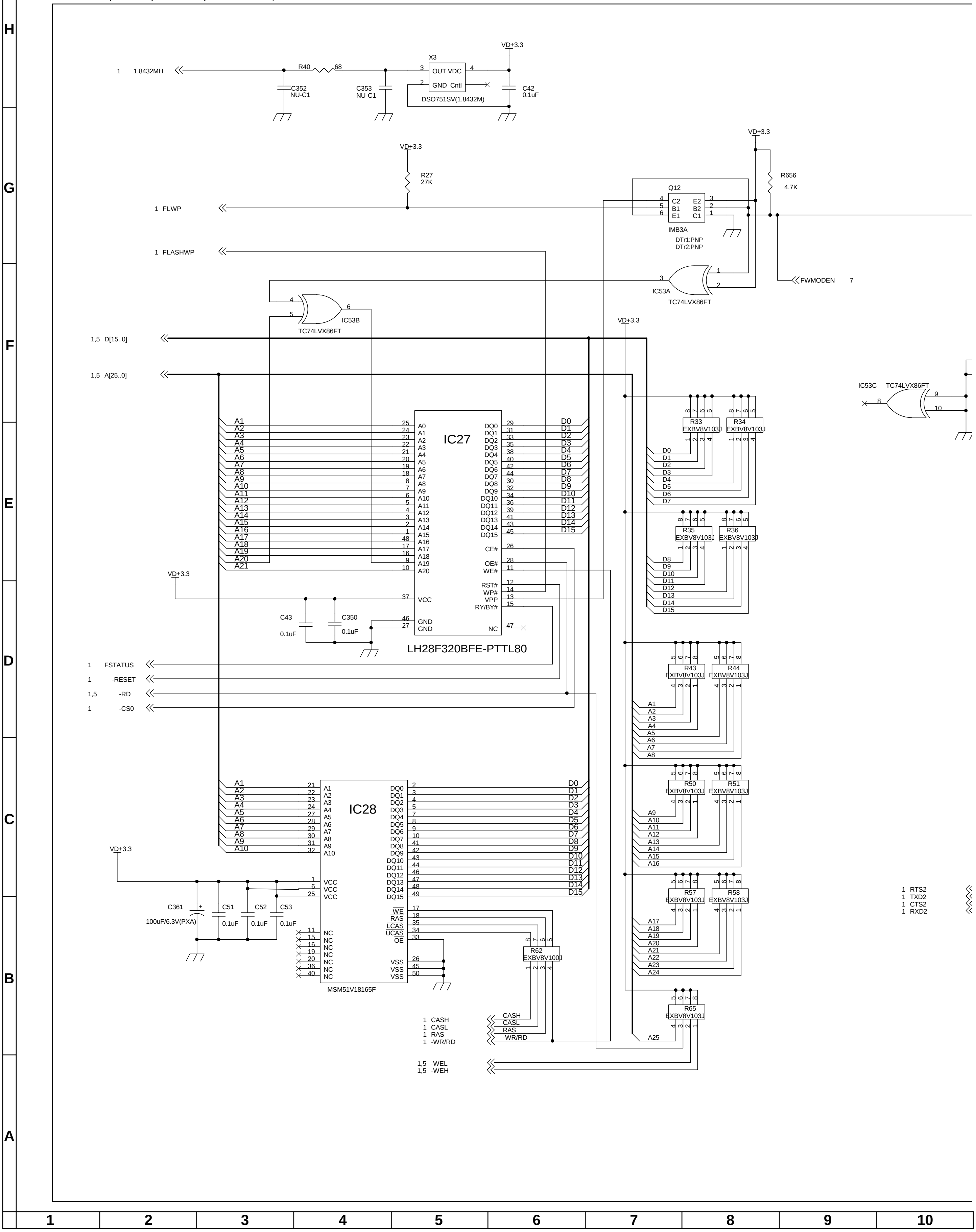
CPU

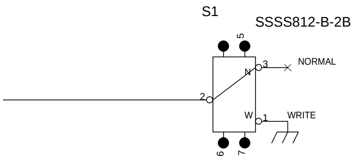

H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
VD+3.3
D50
MA3S137
D51
MA3S137
2 FLASHWP
4 CLR_SW
7 CCK
CLR_SW
CCK
R920 100
R921 100
3 AGC_1
3 AGC_2
C2
0.1uF
C1
0.1uF
VD+1.8
R1127 10K
-RESET
3 AFT_2
3 AFT_1
3 PSEL_2
3 PSEL_1
HOTPLUG3
SDA4O
TL85
C7
0.1uF
C8
0.1uF
C9
0.1uF
C6
0.1uF
VD+5
R1060 4.7K
R1061 4.7K
VD+3.3
Q120
NDC7002N
SDA3I
SCL3
SCL3_5 3
SDA3_5 3
R652
EXBV8V103J
TL89
C14
0.1uF
MD1
MD2
VCC
XTAL2
EXTAL2
VSS
NMI
5 -C1_INT
3 SSYSTEM
3 CSEN1_SH
6,7 DO_HDISP
6,7 DO_VSYNC
IRQ0
IRQ1
IRQ2
IRQ3
IRQ4
PTB7
IC1
SH-7709
RH-IX3270CEZZ
3 SM_RST
SCL1_A
SDA1O
7 MON_DET
3 HPMUTE1
MON_DET
PTB6
PTB5
PTB4
PTB3
PTB2
VSS
PTB1
VCC
PTB0
C22
0.1uF
3 LMUTE
SCL3O
SDA3O
3 AWCS_R
SCL4A
3 AWCS_W
PTA7
PTA6
PTA5
PTA4
VSS
PTA3
VCC
PTA2
PTA1
PTA0
C25
0.1uF
7 -RST_PL
4 HVSEL
R922
10K
VSS
D15
VCC
D14
D13
D12
D11
D10
D9
D8
D7
D6
VSS
D5
VCC
D4
D3
D2
D1
D0
C27
0.1uF
C29
0.1uF
VD+3.3
R17
33K
VD+1.8
IC19
R3112N151A
Cap OUT
Vdd
NC GND
C30
0.047uF
C31
0.1uF
-RESET 2
VD+3.3
IC2
R3112N291A
C33 0.1uF
C32
0.047uF
VD+3.3
2,5 D[15..0]
D[15..0]
C531
47uF/6.3V
C532
0.1uF
2,5 A[25..0]
A[25..0]
C34
C35
C36
C37
C38
0.1uF
AVSS AN7 AN6 AVCC AN5 AN4 AN3 AN2 AN1 AN0 AVSS MD5 MD4 MD3 CA RESETP DREQ1 DREQ0 PTD1 PTD0 PTC1 PTC2 PTC3 PTD2 VCC PTD3 VSS PTC4 PTC5 PTC6 PTC7 SCPT7 VCC RXD2 VSS RXD1 RXD0 RTS2 SCK2 TXD2 SCK1 TXD1 SCK0 TXD0 VCC CKIO VSS IRQOUT
A0 A1 A2 A3 VSS A4 VCC A5 A6 A7 A8 A9 A10 A11 A12 A13 VSS A14 VCC A15 A16 A17 A18 A19 A20 A21 VSS A22 VCC A23 VSS A24 VCC A25 PTK4 RD WE0 WE1 PTK6 PTK7 RD/WR PTE7 VSS CS0 VCC CS2 CS3 CS4 CS5
-RD
-WEL
-WEH
-WR/RD
-CS2
REF.1XXXX
VD+3.3
C24
10uF/16V
C26
0.1uF
IC3
R1205
10K
A0 A1 NC GND
VCC WP SCL SDA
E2P_WP
SCL4
SDA4I
AT24C128N-10SJ-2.7
FLS_W
-WR/RD
-WEH
-WEL
-RD
PLT1 PLT2 PLT3 PLT8 PLT11 PLT12 PLT9
OG-502620R
PLT4 PLT5 PLT6 PLT7 PLT13 PLT14 PLT10
NU-PLT

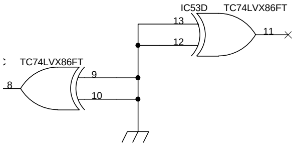

-RST_C1
R877 10K
SDA2O
SCL2
TXD2
TXD0
CTS2
TV_COL1
TV_COL2
RXD0
RXD2
RTS2
XPWR_SV
1.8432MH
ACL_SIG
RXD1
TXD1
SH_ON
R1203 10K
VD+3.3
R1105 NU-R1
CVIC2.5V
R1106 10K
R650 10K
R1202 33
CKIO
C9 0.1uF
X1 6MHz
C12 15pF
C13 15pF
R654 150
RXD1 RXD0 RTS2 SCK2 TXD2 SCK1 TXD1 SCK0 TXD0 VCC CKIO VSS IRQOUT PTH7 PTJ7 PTJ6
EXTAL XTAL VCC VSS VSS PTH6 VCC CAP2 VSS VSS CAP1 VCC MD0 PTF0 PTF1 PTF2 PTF3 PTF4 PTF5 PTF6 PTF7 PTG0 VCC PTG1 VSS PTG2 PTG3 PTG4 PTG5 PTG6 PTG7 PTH5 RESETM WAIT BREQ BACK PTE0 PTE1 PTE2 PTE3 PTE6 DACK1 DACK0 PTJ5 PTJ4 VCC CASLH VSS CASLL RAS2L RAS3L CKE
C17 0.1uF
C18 0.1uF
C19 470pF
C20 470pF
C21 0.1uF
C23 0.1uF
C28 0.1uF
R10 EXBV8V103J
R11 EXBV8V103J
MON_DET
CLR_SW
FSTATUS
CHECKER
SDA2I
TL92 TL93 TL94 TL95
AWDATA
KOUTEI
SDA4I
SDA_1
SDA3I
TL96 TL97
-WAIT_C1
BREQ
E2P_WP
TL232 PAD2.0
SRESET
RES_OUT3
ACL_SW
SADC_OE
-DEBUG
-RST_PLL
DAC_CLK
DAC_DATA
CASH
CASL
FLWP
RAS
WXGA_OE
WE0 WE1 PTK6 PTK7 RD/WR PTE7 VSS CS0 VCC CS2 CS3 CS4 CS5 CS6 CE2A CE2B
R19 EXBV8V103J
C38 0.1uF
TL17
EVENODD
VGA_OE
R29 EXBV8V103J
-CS6 -CS5 -CS4 -CS3 -CS2 -CS0
FLS_W
-WR/RD
TL98 TL99
-WEH
-WEL
-RD
TL100
C908 0.1uF
IC400A TC74LVX86FT
TXD0_M
IC400B TC74LVX86FT
RXD0_M
IC400C TC74LVX86FT
TXD1_T
IC400D TC74LVX86FT
RXD1_T
R924 4.7K
R1058 4.7K
C800 0.1uF
IC402 74LVX125MTC
SDA_1
SCL1
SDA2I
HOTPLUG3
SDA2_5
HOTPLUG
SDA1O
SCL1_A
TL230
R1059 4.7K
R1062 4.7K
R289 4.7K
C802 0.1uF
IC404 74LVX125MTC
SCL4A
SCL4
SDA4I
SCL3
SDA3I
SDA4O
SCL3O
SDA3O
10 11 12 13 14 15 16 17 18 19

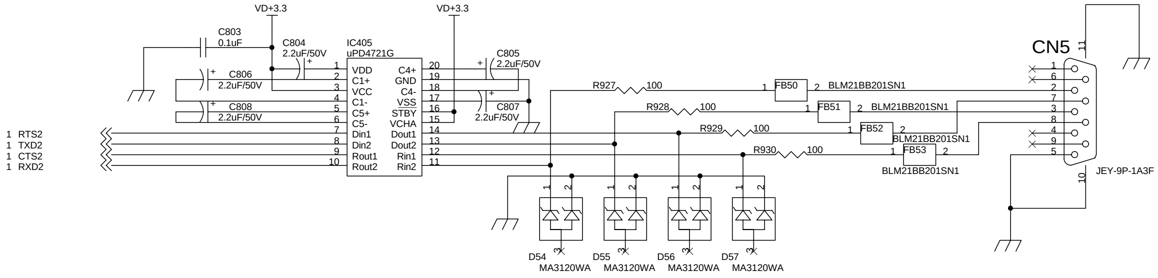
■ PC I/F Unit-2/7 (AVC System)

FLASH,DRAM,RS232C,PC CARD I/F


H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
1 1.8432MH
R40 68
C352 NU-C1
C353 NU-C1
X3
OUT VDC
GND Cntl
DSO751SV(1.8432M)
VD+3.3
C42 0.1uF
R27 27K
1 FLWP
1 FLASHWP
Q12
C2 E2
B1 B2
E1 C1
IMB3A
DTr1:PNP
DTr2:PNP
R656 4.7K
IC53A
TC74LVX86FT
FWMODEN 7
IC53B
TC74LVX86FT
IC53C
TC74LVX86FT
1,5 D[15..0]
1,5 A[25..0]
IC27
LH28F320BFE-PTTL80
A0
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
A12
A13
A14
A15
A16
A17
A18
A19
A20
A21
DQ0
DQ1
DQ2
DQ3
DQ4
DQ5
DQ6
DQ7
DQ8
DQ9
DQ10
DQ11
DQ12
DQ13
DQ14
DQ15
CE#
OE#
WE#
RST#
WP#
VPP
RY/BY#
VCC
GND
NC
D0
D1
D2
D3
D4
D5
D6
D7
D8
D9
D10
D11
D12
D13
D14
D15
C43 0.1uF
C350 0.1uF
1 FSTATUS
1 -RESET
1,5 -RD
1 -CS0
R33 EXBV8V103J
R34 EXBV8V103J
R35 EXBV8V103J
R36 EXBV8V103J
R43 EXBV8V103J
R44 EXBV8V103J
R50 EXBV8V103J
R51 EXBV8V103J
R57 EXBV8V103J
R58 EXBV8V103J
R65 EXBV8V103J
R62 EXBV8V100J
A22
A23
A24
A25
IC28
MSM51V18165F
WE
RAS
LCAS
UCAS
OE
VSS
C361 100uF/6.3V(PXA)
C51 0.1uF
C52 0.1uF
C53 0.1uF
1 CASH
1 CASL
1 RAS
1 -WR/RD
CASH
CASL
RAS
-WR/RD
1,5 -WEL
1,5 -WEH
1 RTS2
1 TXD2
1 CTS2
1 RXD2

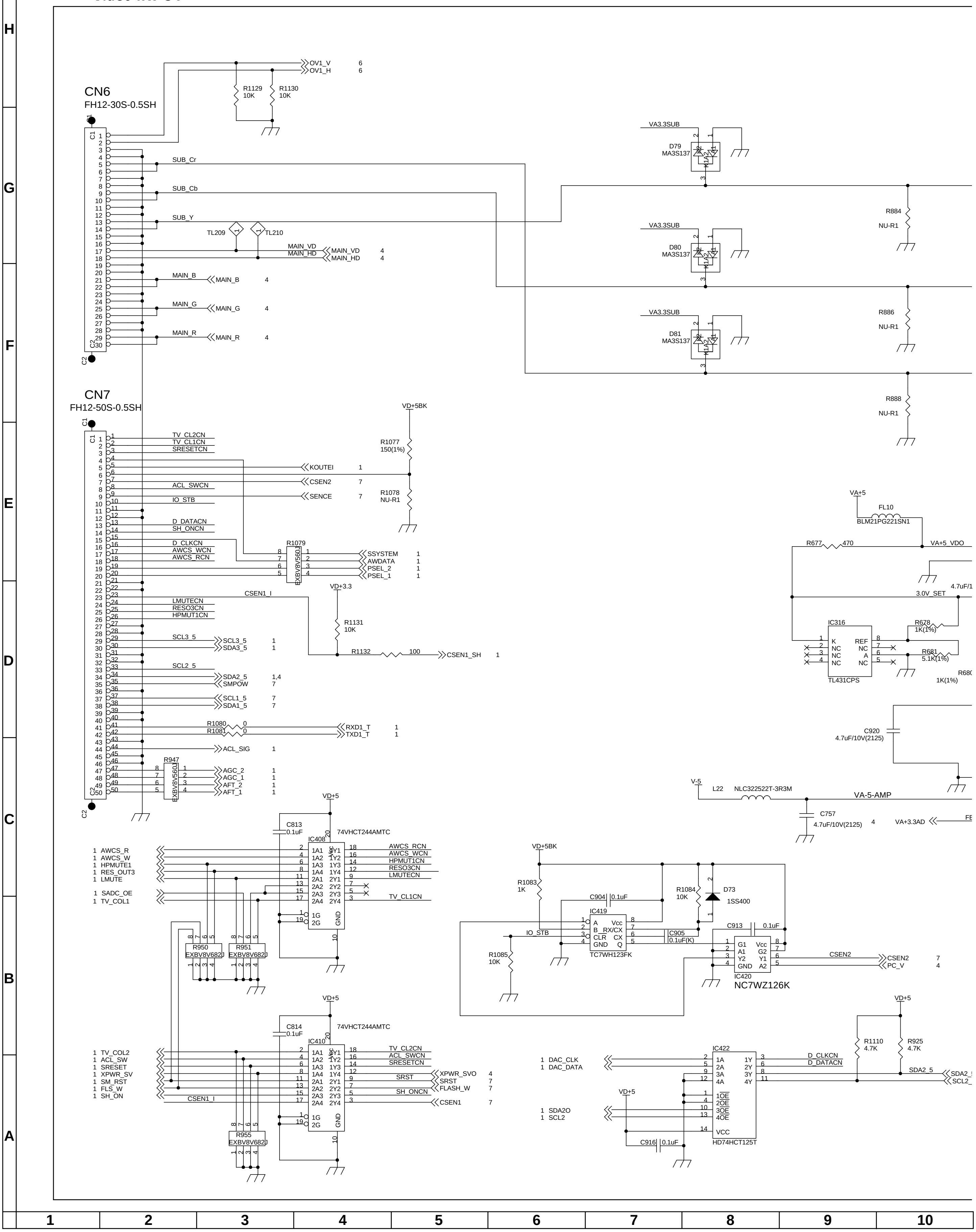

S1
SSSS812-B-2B
5
3
N
NORMAL
2
W
1
WRITE
6
7

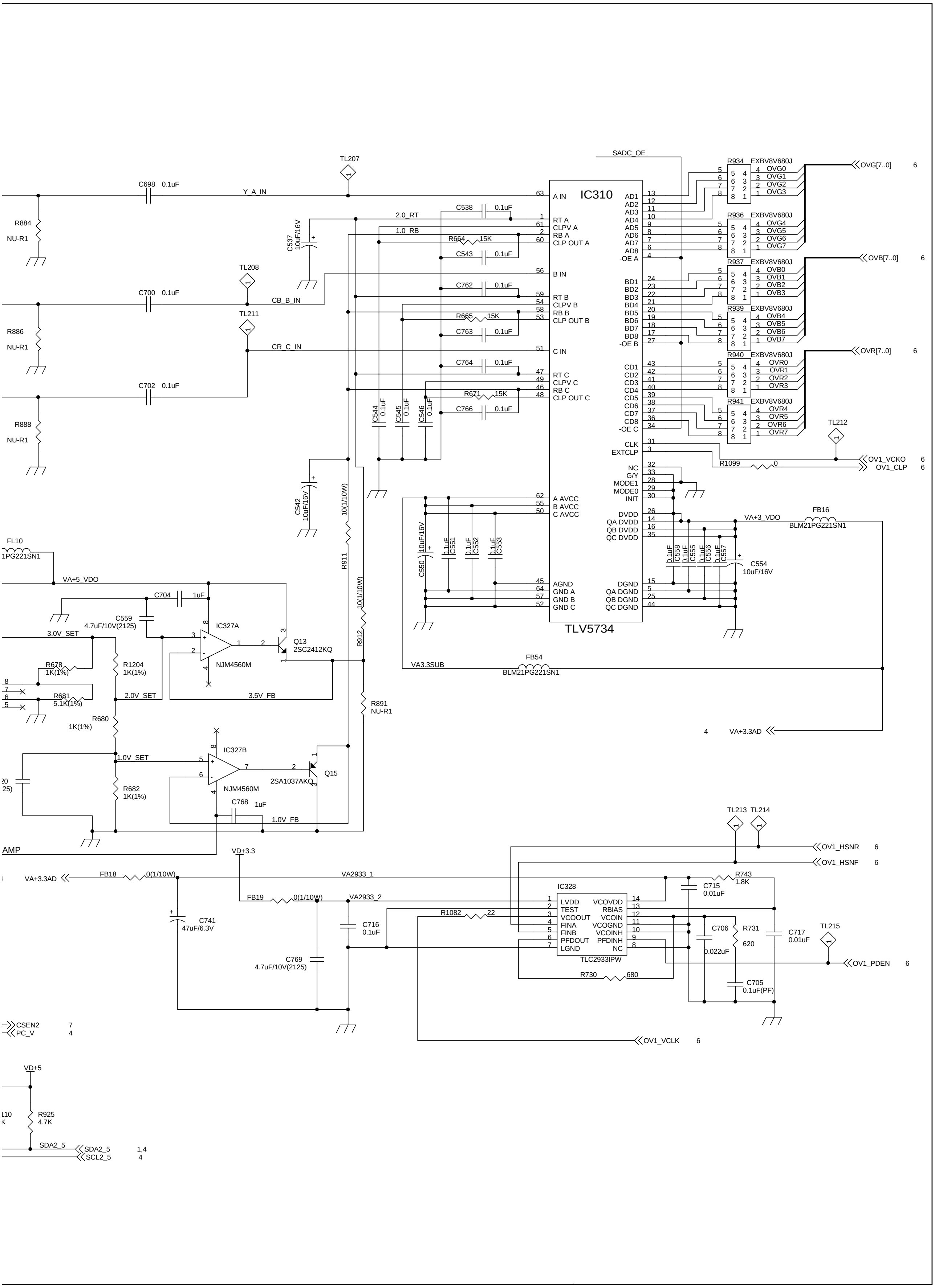

IC53D
TC74LVX86FT
TC74LVX86FT


VD+3.3
C803
0.1uF
C804
2.2uF/50V
IC405
uPD4721G
VD+3.3
C805
2.2uF/50V
C806
2.2uF/50V
C808
2.2uF/50V
C807
2.2uF/50V
1 VDD
2 C1+
3 VCC
4 C1-
5 C5+
6 C5-
7 Din1
8 Din2
9 Rout1
10 Rout2
20 C4+
19 GND
18 C4-
17 VSS
16 STBY
15 VCHA
14 Dout1
13 Dout2
12 Rin1
11 Rin2
1 RTS2
1 TXD2
1 CTS2
1 RXD2
R927 100
R928 100
R929 100
R930 100
FB50
FB51
FB52
FB53
BLM21BB201SN1
BLM21BB201SN1
BLM21BB201SN1
BLM21BB201SN1
CN5
11
1
6
2
7
3
8
4
9
5
10
JEY-9P-1A3F
D54
MA3120WA
D55
MA3120WA
D56
MA3120WA
D57
MA3120WA

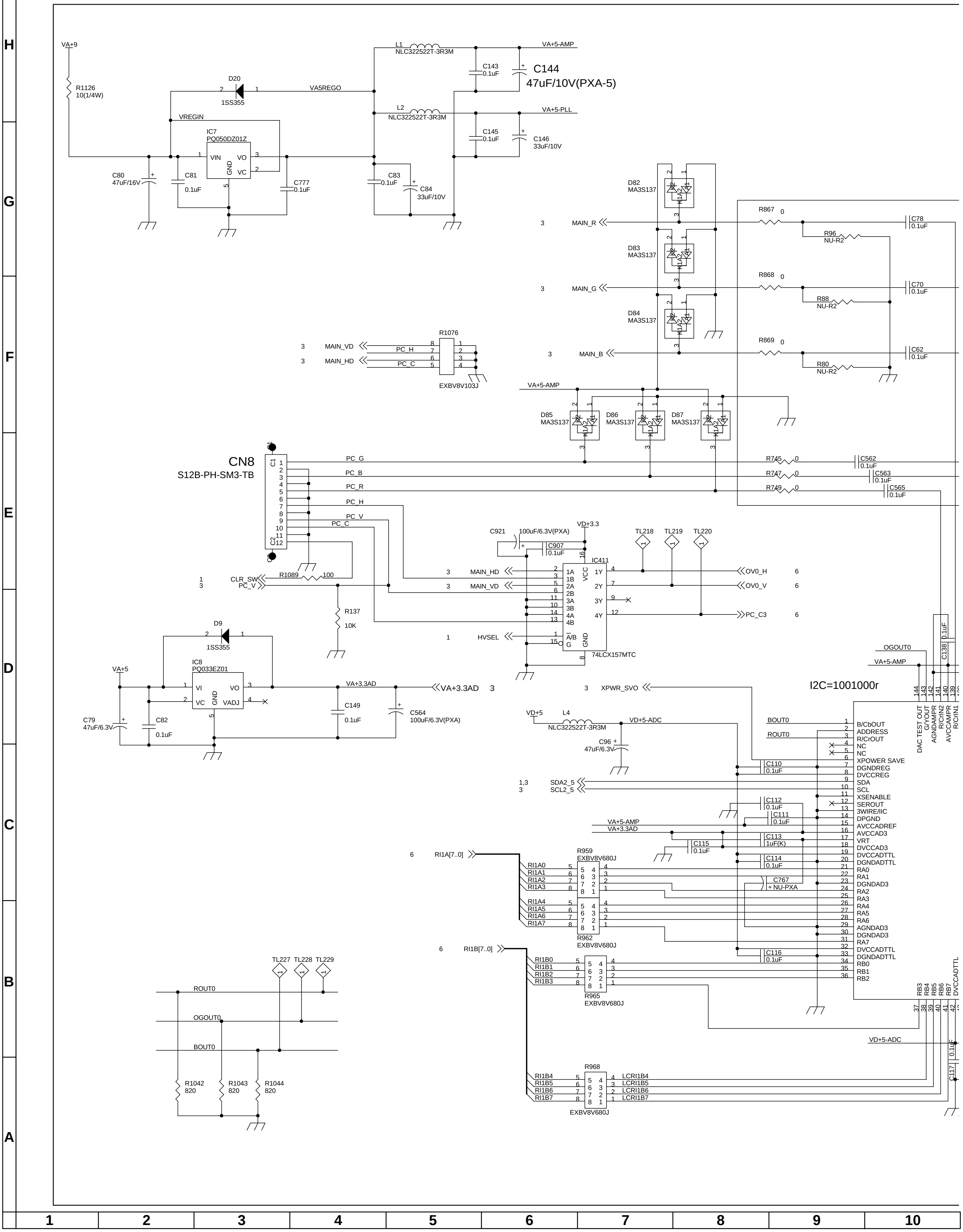
■ PC I/F Unit-3/7 (AVC System)

Video INPUT


H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
CN6
FH12-30S-0.5SH
CN7
FH12-50S-0.5SH
OV1_V 6
OV1_H 6
R1129 10K
R1130 10K
SUB_Cr
SUB_Cb
SUB_Y
TL209
TL210
MAIN_VD 4
MAIN_HD 4
MAIN_B 4
MAIN_G 4
MAIN_R 4
VA3.3SUB
D79 MA3S137
D80 MA3S137
D81 MA3S137
R884 NU-R1
R886 NU-R1
R888 NU-R1
TV_CL2CN
TV_CL1CN
SRESETCN
KOUTEI 1
CSEN2 7
SENCE 7
ACL_SWCN
IO_STB
VD+5BK
R1077 150(1%)
R1078 NU-R1
D_DATACN
SH_ONCN
D_CLKCN
AWCS_WCN
AWCS_RCN
R1079 EXBV8V560J
SSYSTEM 1
AWDATA 1
PSEL_2 1
PSEL_1 1
CSEN1_I
VD+3.3
LMUTECN
RESO3CN
HPMUT1CN
R1131 10K
R1132 100
CSEN1_SH 1
SCL3_5 1
SDA3_5 1
SCL2_5
SDA2_5 1,4
SMPOW 7
SCL1_5 7
SDA1_5 7
R1080 0
R1081 0
RXD1_T 1
TXD1_T 1
ACL_SIG 1
R947 EXBV8V560J
AGC_2 1
AGC_1 1
AFT_2 1
AFT_1 1
VA+5
FL10 BLM21PG221SN1
R677 470
VA+5_VDO
4.7uF/1
3.0V_SET
IC316 TL431CPS
R678 1K(1%)
R681 5.1K(1%)
R680 1K(1%)
C920 4.7uF/10V(2125)
V-5
L22 NLC322522T-3R3M
VA-5-AMP
C757 4.7uF/10V(2125)
VA+3.3AD 4
VD+5
C813 0.1uF
IC408 74VHCT244AMTC
1 AWCS_R
1 AWCS_W
1 HPMUTE1
1 RES_OUT3
1 LMUTE
1 SADC_OE
1 TV_COL1
AWCS_RCN
AWCS_WCN
HPMUT1CN
RESO3CN
LMUTECN
TV_CL1CN
R950 EXBV8V682J
R951 EXBV8V682J
VD+5BK
R1083 1K
C904 0.1uF
IC419 TC7WH123FK
R1084 10K
D73 1SS400
C905 0.1uF(K)
C913 0.1uF
IC420 NC7WZ126K
CSEN2 7
PC_V 4
R1085 10K
C814 0.1uF
IC410 74VHCT244AMTC
1 TV_COL2
1 ACL_SW
1 SRESET
1 XPWR_SV
1 SM_RST
1 FLS_W
1 SH_ON
CSEN1_I
TV_CL2CN
ACL_SWCN
SRESETCN
SRST
SH_ONCN
XPWR_SVO 4
SRST 7
FLASH_W 7
CSEN1 7
R955 EXBV8V682J
1 DAC_CLK
1 DAC_DATA
1 SDA2O
1 SCL2
IC422 HD74HCT125T
C916 0.1uF
R1110 4.7K
R925 4.7K
D_CLKCN
D_DATACN
SDA2_5
SDA2_
SCL2_


IC310
TLV5734
A IN
RT A
CLPV A
RB A
CLP OUT A
B IN
RT B
CLPV B
RB B
CLP OUT B
C IN
RT C
CLPV C
RB C
CLP OUT C
A AVCC
B AVCC
C AVCC
AGND
GND A
GND B
GND C
AD1
AD2
AD3
AD4
AD5
AD6
AD7
AD8
-OE A
BD1
BD2
BD3
BD4
BD5
BD6
BD7
BD8
-OE B
CD1
CD2
CD3
CD4
CD5
CD6
CD7
CD8
-OE C
CLK
EXTCLP
NC
G/Y
MODE1
MODE0
INIT
DVDD
QA DVDD
QB DVDD
QC DVDD
DGND
QA DGND
QB DGND
QC DGND
SADC_OE
Y_A_IN
CB_B_IN
CR_C_IN
2.0_RT
1.0_RB
TL207
TL208
TL211
TL212
TL213
TL214
TL215
C698 0.1uF
C700 0.1uF
C702 0.1uF
R884 NU-R1
R886 NU-R1
R888 NU-R1
C537 10uF/16V
C538 0.1uF
C543 0.1uF
C762 0.1uF
C763 0.1uF
C764 0.1uF
C766 0.1uF
R664 15K
R665 15K
R671 15K
C544 0.1uF
C545 0.1uF
C546 0.1uF
C542 10uF/16V
R911 10(1/10W)
R912 10(1/10W)
C550 10uF/16V
C551 0.1uF
C552 0.1uF
C553 0.1uF
C558 0.1uF
C555 0.1uF
C556 0.1uF
C557 0.1uF
C554 10uF/16V
R934 EXBV8V680J
R936 EXBV8V680J
R937 EXBV8V680J
R939 EXBV8V680J
R940 EXBV8V680J
R941 EXBV8V680J
OVG0
OVG1
OVG2
OVG3
OVG4
OVG5
OVG6
OVG7
OVB0
OVB1
OVB2
OVB3
OVB4
OVB5
OVB6
OVB7
OVR0
OVR1
OVR2
OVR3
OVR4
OVR5
OVR6
OVR7
OVG[7..0] 6
OVB[7..0] 6
OVR[7..0] 6
R1099 0
OV1_VCKO 6
OV1_CLP 6
FB16 BLM21PG221SN1
VA+3_VDO
FB54 BLM21PG221SN1
VA3.3SUB
VA+3.3AD 4
FL10
1PG221SN1
VA+5_VDO
C704 1uF
C559 4.7uF/10V(2125)
3.0V_SET
IC327A NJM4560M
Q13 2SC2412KQ
R678 1K(1%)
R1204 1K(1%)
R681 5.1K(1%)
2.0V_SET
3.5V_FB
R680 1K(1%)
R891 NU-R1
IC327B NJM4560M
1.0V_SET
Q15 2SA1037AKQ
R682 1K(1%)
C768 1uF
1.0V_FB
20
25)
AMP
VD+3.3
VA+3.3AD
FB18 0(1/10W)
VA2933_1
FB19 0(1/10W)
VA2933_2
C741 47uF/6.3V
C769 4.7uF/10V(2125)
C716 0.1uF
R1082 22
IC328
TLC2933IPW
LVDD
TEST
VCOOUT
FINA
FINB
PFDOUT
LGND
VCOVDD
RBIAS
VCOIN
VCOGND
VCOINH
PFDINH
NC
R730 680
C715 0.01uF
R743 1.8K
C706 0.022uF
R731 620
C717 0.01uF
C705 0.1uF(PF)
OV1_HSNR 6
OV1_HSNF 6
OV1_PDEN 6
OV1_VCLK 6
CSEN2 7
PC_V 4
VD+5
R925 4.7K
SDA2_5
SDA2_5 1,4
SCL2_5 4

■ PC I/F Unit-4/7 (AVC System)


H
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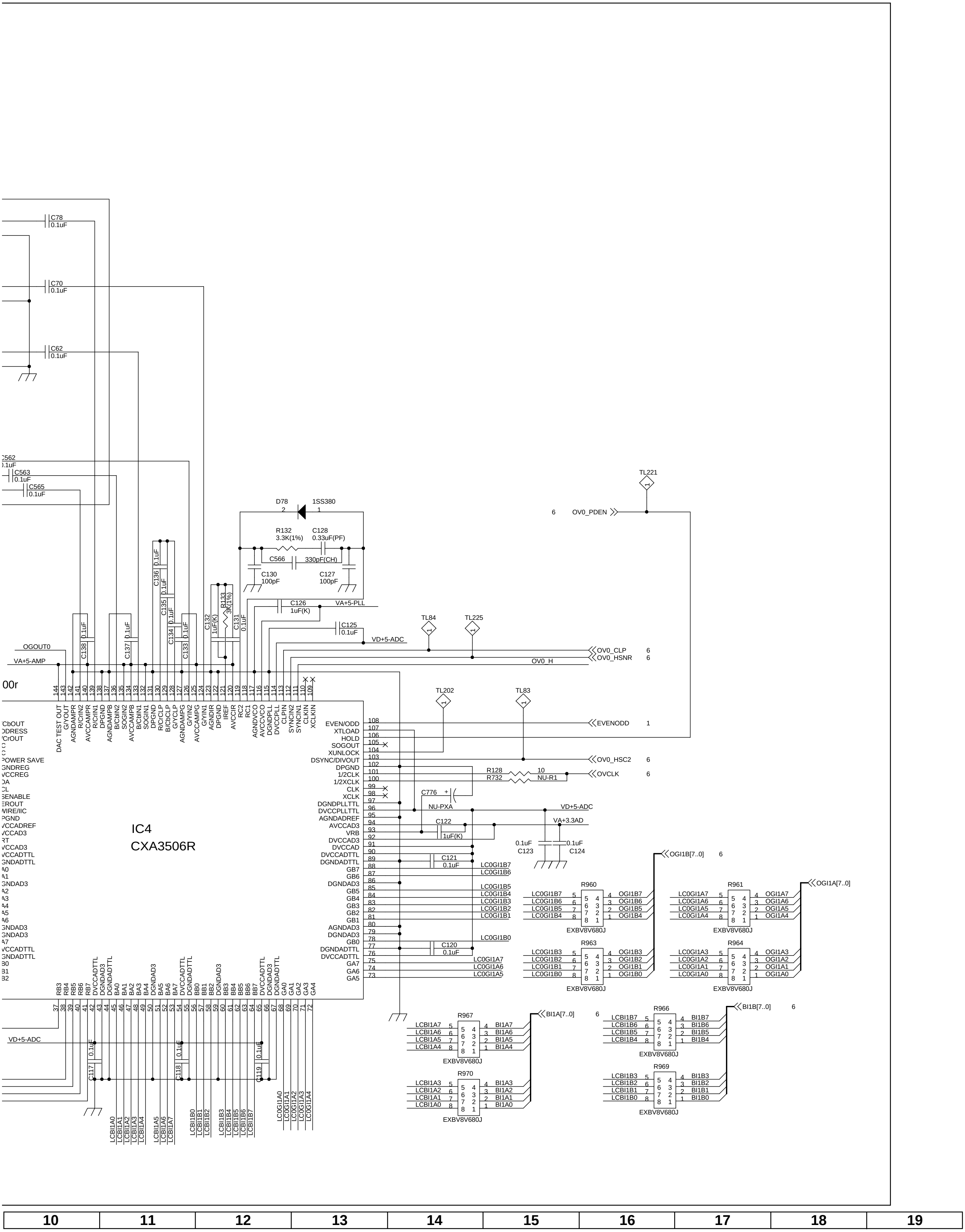
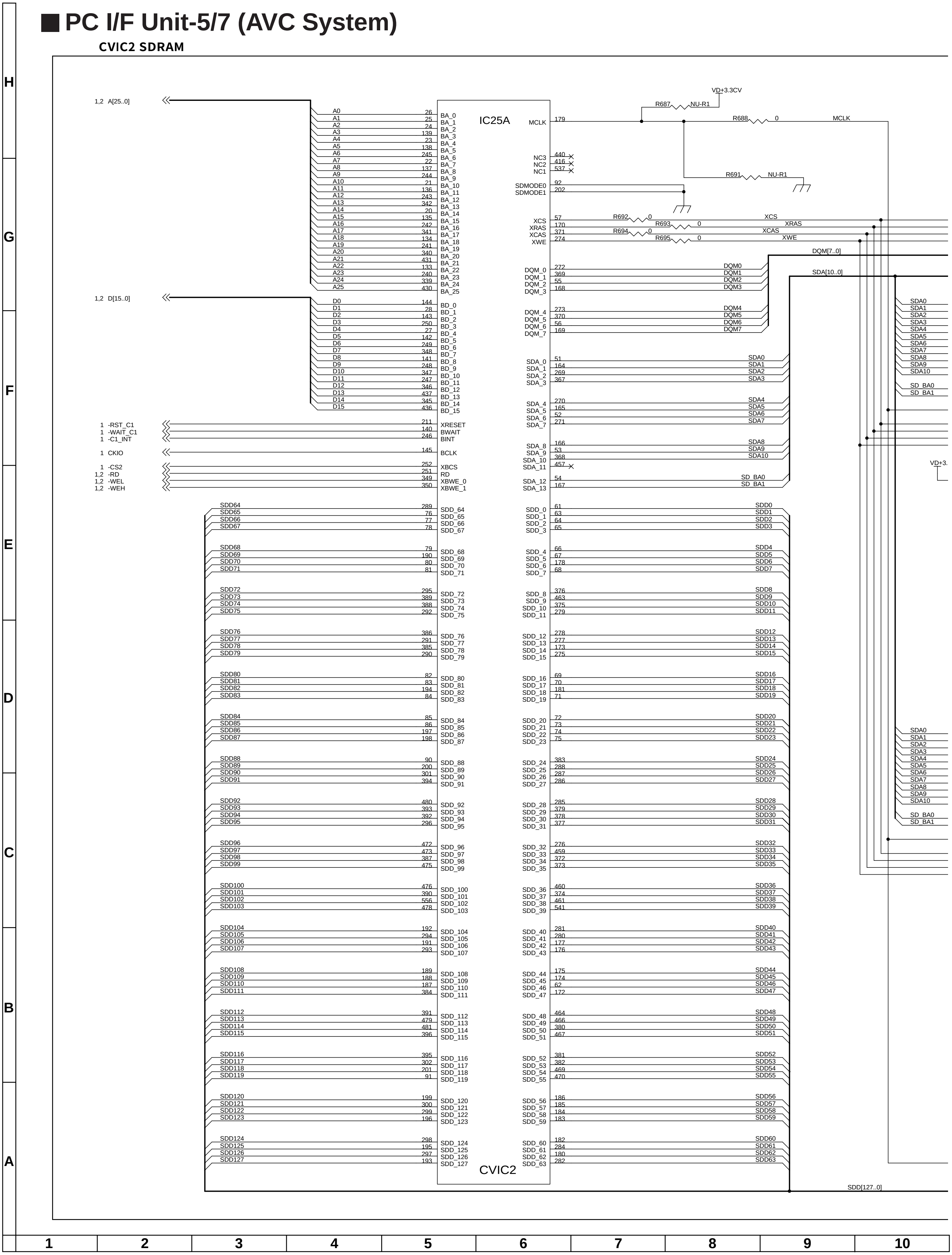
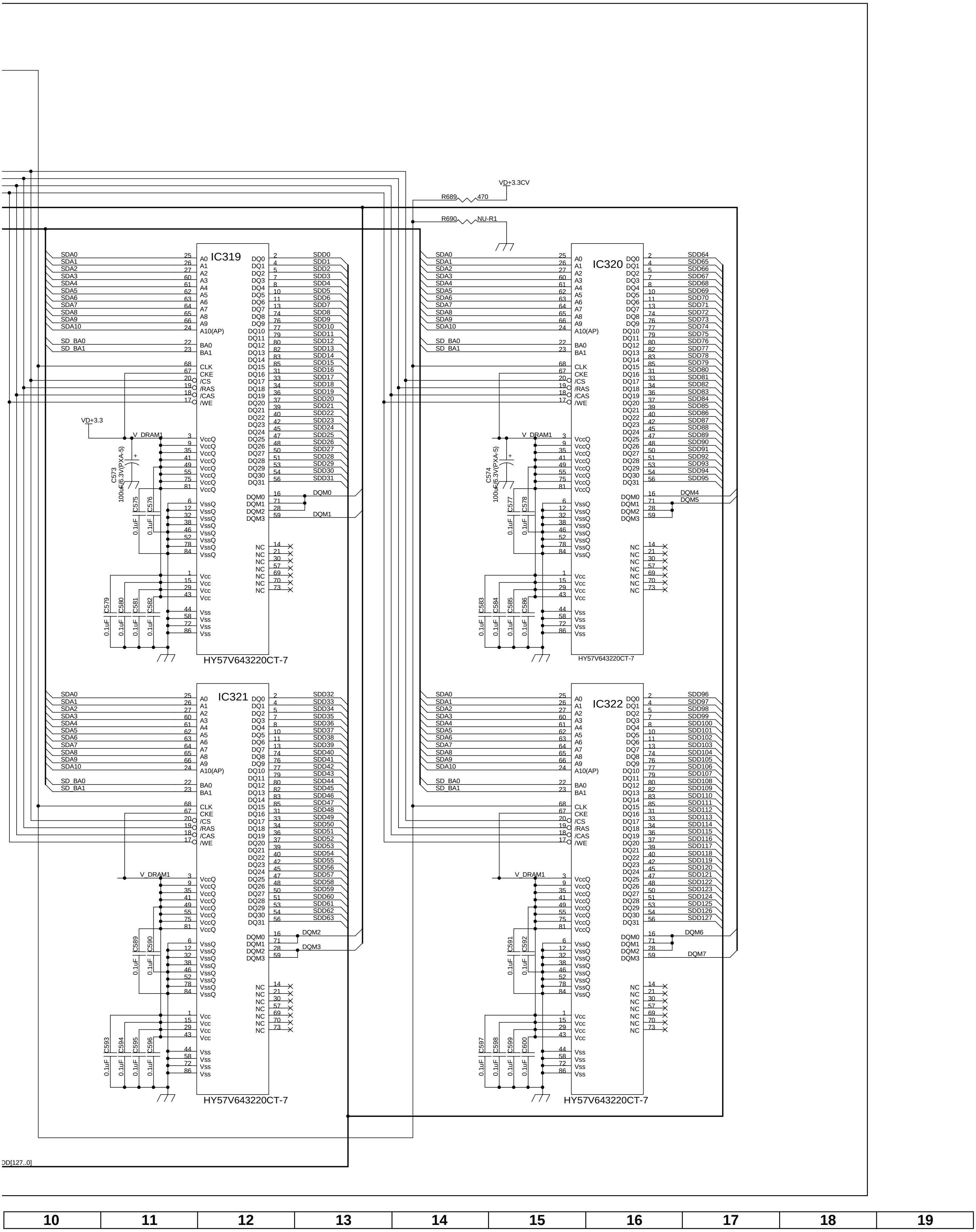
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
VA+9
R1126
10(1/4W)
D20
1SS355
VA5REGO
VREGIN
IC7
PQ050DZ01Z
VIN
VO
GND
VC
C80
47uF/16V
C81
0.1uF
C777
0.1uF
L1
NLC322522T-3R3M
VA+5-AMP
C143
0.1uF
C144
47uF/10V(PXA-5)
L2
NLC322522T-3R3M
VA+5-PLL
C145
0.1uF
C146
33uF/10V
C83
0.1uF
C84
33uF/10V
D82
MA3S137
D83
MA3S137
D84
MA3S137
MAIN_R
MAIN_G
MAIN_B
R867 0
R868 0
R869 0
R96
NU-R2
R88
NU-R2
R80
NU-R2
C78
0.1uF
C70
0.1uF
C62
0.1uF
MAIN_VD
MAIN_HD
PC_H
PC_C
R1076
EXBV8V103J
VA+5-AMP
D85
MA3S137
D86
MA3S137
D87
MA3S137
CN8
S12B-PH-SM3-TB
PC_G
PC_B
PC_R
PC_H
PC_V
PC_C
R745 0
R747 0
R749 0
C562
0.1uF
C563
0.1uF
C565
0.1uF
C921
100uF/6.3V(PXA)
C907
0.1uF
VD+3.3
IC411
74LCX157MTC
TL218
TL219
TL220
OV0_H
OV0_V
PC_C3
CLR_SW
PC_V
R1089
100
R137
10K
MAIN_HD
MAIN_VD
HVSEL
1A
1B
2A
2B
3A
3B
4A
4B
A/B
G
VCC
GND
1Y
2Y
3Y
4Y
D9
1SS355
IC8
PQ033EZ01
VI
VO
VC
VADJ
GND
VA+5
C79
47uF/6.3V
C82
0.1uF
VA+3.3AD
C149
0.1uF
C564
100uF/6.3V(PXA)
VA+3.3AD
XPWR_SVO
I2C=1001000r
OGOUT0
VA+5-AMP
C138 0.1uF
VD+5
L4
NLC322522T-3R3M
VD+5-ADC
C96
47uF/6.3V
BOUT0
ROUT0
C110
0.1uF
SDA2_5
SCL2_5
C112
0.1uF
C111
0.1uF
VA+5-AMP
VA+3.3AD
C113
1uF(K)
C115
0.1uF
C114
0.1uF
C767
NU-PXA
C116
0.1uF
RI1A[7..0]
R959
EXBV8V680J
RI1A0
RI1A1
RI1A2
RI1A3
RI1A4
RI1A5
RI1A6
RI1A7
R962
EXBV8V680J
RI1B[7..0]
RI1B0
RI1B1
RI1B2
RI1B3
R965
EXBV8V680J
B/CbOUT
ADDRESS
R/CrOUT
NC
NC
XPOWER SAVE
DGNDREG
DVCCREG
SDA
SCL
XSENABLE
SEROUT
3WIRE/IIC
DPGND
AVCCADREF
AVCCAD3
VRT
DVCCAD3
DVCCADTTL
DGNDADTTL
RA0
RA1
DGNDAD3
RA2
RA3
RA4
RA5
RA6
AGNDAD3
DGNDAD3
RA7
DVCCADTTL
DGNDADTTL
RB0
RB1
RB2
DAC TEST OUT
G/YOUT
AGNDAMPR
R/CrIN2
AVCCAMPR
R/CrIN1
RB3
RB4
RB5
RB6
RB7
DVCCADTTL
VD+5-ADC
C117 0.1uF
TL227
TL228
TL229
ROUT0
OGOUT0
BOUT0
R1042
820
R1043
820
R1044
820
R968
RI1B4
RI1B5
RI1B6
RI1B7
LCRI1B4
LCRI1B5
LCRI1B6
LCRI1B7
EXBV8V680J


C78
0.1uF
C70
0.1uF
C62
0.1uF
C562
0.1uF
C563
0.1uF
C565
0.1uF
D78
1SS380
R132
3.3K(1%)
C128
0.33uF(PF)
C566
330pF(CH)
C130
100pF
C127
100pF
R133
3K(1%)
C132
1uF(K)
C131
0.1uF
C126
1uF(K)
VA+5-PLL
C125
0.1uF
VD+5-ADC
C136
0.1uF
C135
0.1uF
C134
0.1uF
C133
0.1uF
C138
0.1uF
C137
0.1uF
OGOUT0
VA+5-AMP
TL221
TL84
TL225
TL202
TL83
OV0_PDEN
OV0_CLP
OV0_HSNR
OV0_H
EVENODD
OV0_HSC2
OVCLK
R128
10
R732
NU-R1
C776
NU-PXA
VD+5-ADC
VA+3.3AD
C122
1uF(K)
0.1uF
C123
0.1uF
C124
C121
0.1uF
C120
0.1uF
IC4
CXA3506R
DAC TEST OUT
G/YOUT
AGNDAMPR
R/CrIN2
AVCCAMPR
R/CrIN1
DPGND
AGNDAMPB
B/CbIN2
SOGIN2
AVCCAMPB
B/CbIN1
SOGIN1
DPGND
R/CrCLP
B/CbCLP
G/YCLP
AGNDAMPG
G/YIN2
AVCCAMPG
G/YIN1
AGNDIR
DPGND
IREF
AVCCIR
RC2
RC1
AGNDVCO
AVCCVCO
DGNDPLL
DVCCPLL
CLPIN
SYNCIN2
SYNCIN1
CLKIN
XCLKIN
EVEN/ODD
XTLOAD
HOLD
SOGOUT
XUNLOCK
DSYNC/DIVOUT
DPGND
1/2CLK
1/2XCLK
CLK
XCLK
DGNDPLLTTL
DVCCPLLTTL
AGNDADREF
AVCCAD3
VRB
DVCCAD3
DVCCAD
DVCCADTTL
DGNDADTTL
GB7
GB6
DGNDAD3
GB5
GB4
GB3
GB2
GB1
AGNDAD3
DGNDAD3
GB0
DGNDADTTL
DVCCADTTL
GA7
GA6
GA5
CbOUT
DDRESS
CrOUT
POWER SAVE
GNDREG
VCCREG
DA
CL
SENABLE
EROUT
WIRE/IIC
PGND
VCCADREF
VCCAD3
RT
VCCAD3
VCCADTTL
GNDADTTL
A0
A1
GNDAD3
A2
A3
A4
A5
A6
GNDAD3
GNDAD3
A7
VCCADTTL
GNDADTTL
B0
B1
B2
00r
RB3
RB4
RB5
RB6
RB7
DVCCADTTL
DGNDAD3
DGNDADTTL
BA0
BA1
BA2
BA3
BA4
DGNDAD3
BA5
BA6
BA7
DVCCADTTL
DGNDADTTL
BB0
BB1
BB2
DGNDAD3
BB3
BB4
BB5
BB6
BB7
DVCCADTTL
DGNDAD3
DGNDADTTL
GA0
GA1
GA2
GA3
GA4
VD+5-ADC
C117
0.1uF
C118
0.1uF
C119
0.1uF
LCBI1A0
LCBI1A1
LCBI1A2
LCBI1A3
LCBI1A4
LCBI1A5
LCBI1A6
LCBI1A7
LCBI1B0
LCBI1B1
LCBI1B2
LCBI1B3
LCBI1B4
LCBI1B5
LCBI1B6
LCBI1B7
LC0GI1A0
LC0GI1A1
LC0GI1A2
LC0GI1A3
LC0GI1A4
LC0GI1A5
LC0GI1A6
LC0GI1A7
LC0GI1B0
LC0GI1B1
LC0GI1B2
LC0GI1B3
LC0GI1B4
LC0GI1B5
LC0GI1B6
LC0GI1B7
R960
R961
R963
R964
R966
R967
R969
R970
EXBV8V680J
OGI1B[7..0]
OGI1A[7..0]
OGI1B7
OGI1B6
OGI1B5
OGI1B4
OGI1B3
OGI1B2
OGI1B1
OGI1B0
OGI1A7
OGI1A6
OGI1A5
OGI1A4
OGI1A3
OGI1A2
OGI1A1
OGI1A0
BI1A[7..0]
BI1B[7..0]
BI1A7
BI1A6
BI1A5
BI1A4
BI1A3
BI1A2
BI1A1
BI1A0
BI1B7
BI1B6
BI1B5
BI1B4
BI1B3
BI1B2
BI1B1
BI1B0
10
11
12
13
14
15
16
17
18
19

■ PC I/F Unit-5/7 (AVC System)

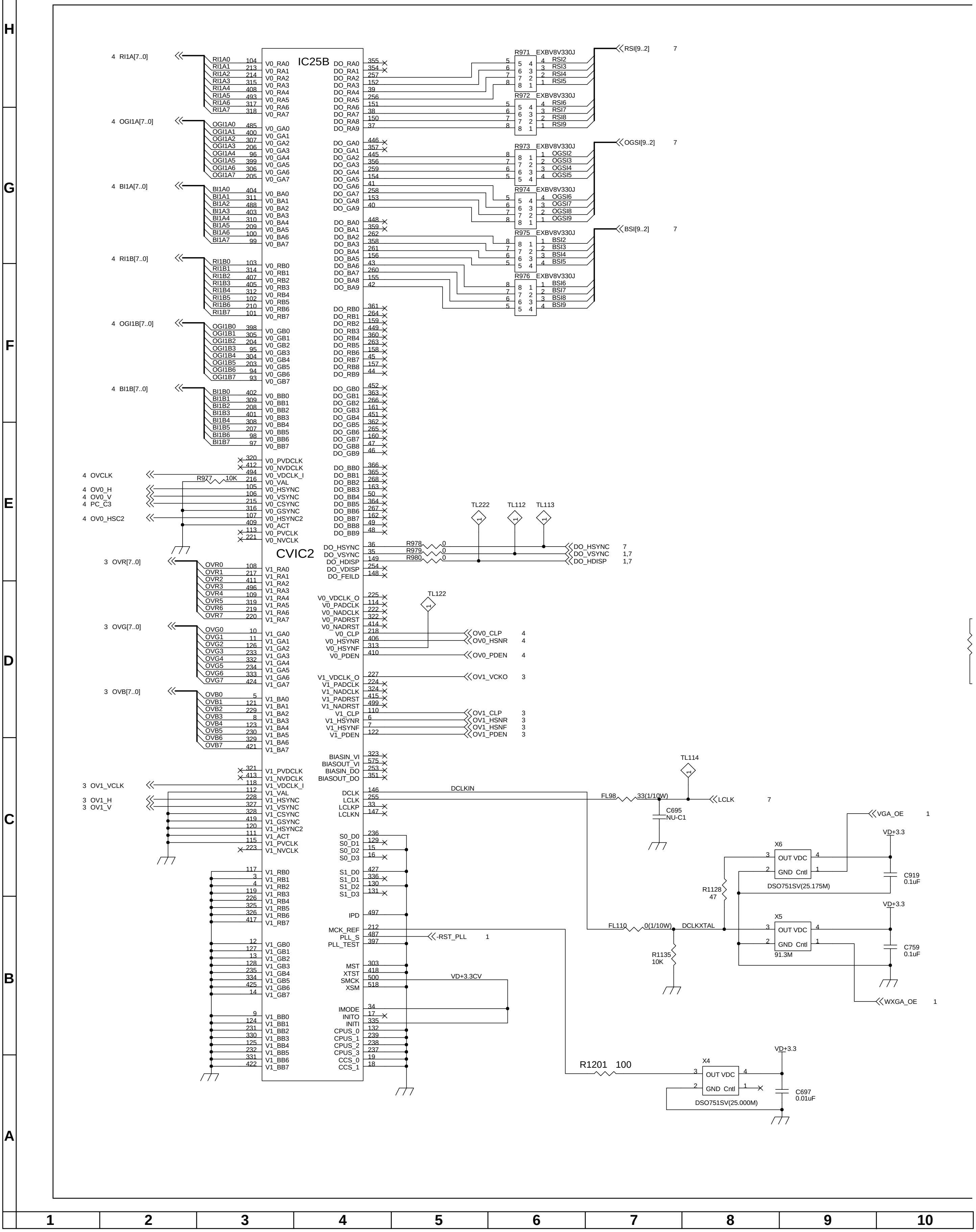
CVIC2 SDRAM

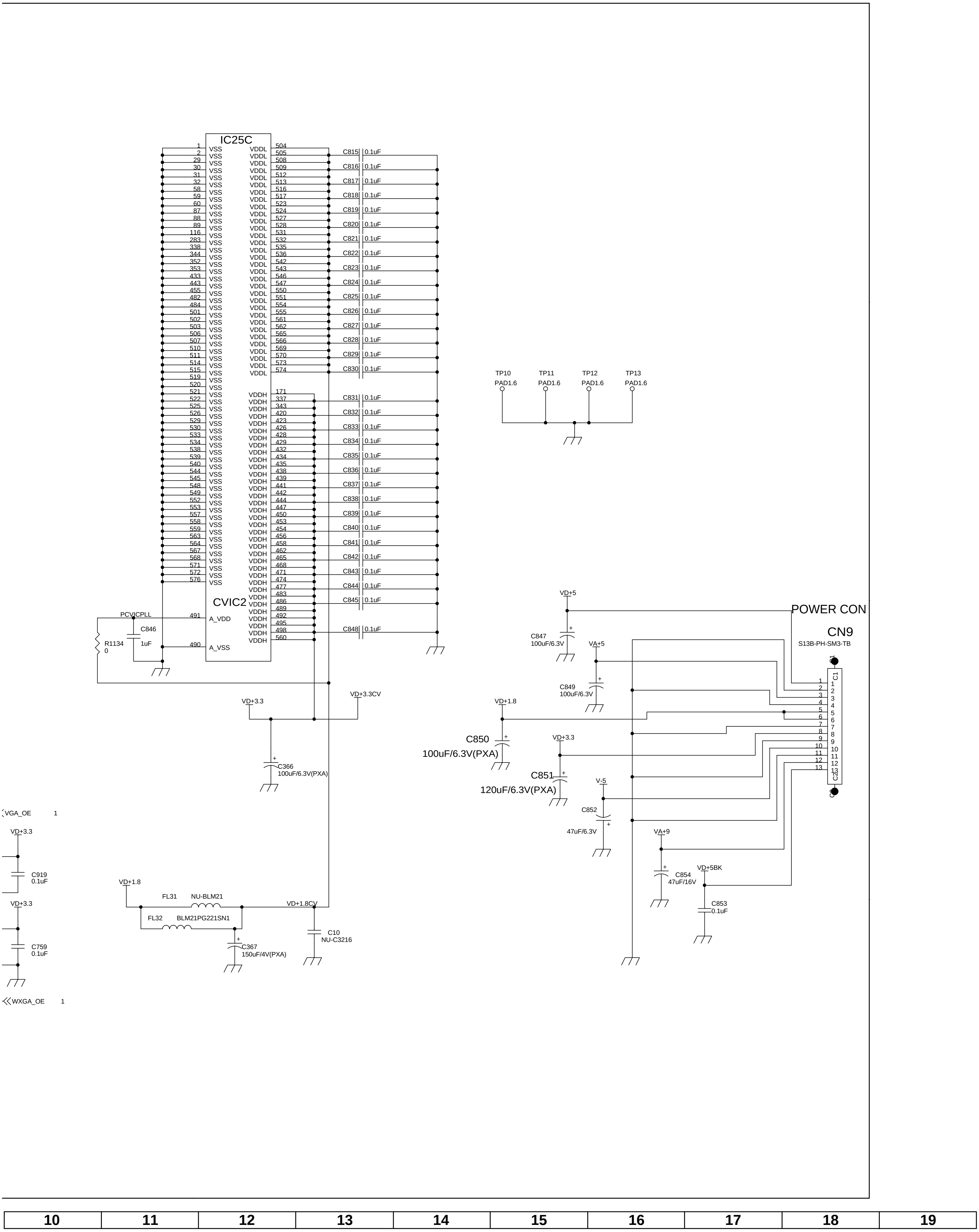

IC25A
CVIC2
1,2 A[25..0]
1,2 D[15..0]
1 -RST_C1
1 -WAIT_C1
1 -C1_INT
1 CKIO
1 -CS2
1,2 -RD
1,2 -WEL
1,2 -WEH
BA_0 … BA_25
BD_0 … BD_15
XRESET
BWAIT
BINT
BCLK
XBCS
RD
XBWE_0
XBWE_1
MCLK
NC3
NC2
NC1
SDMODE0
SDMODE1
XCS
XRAS
XCAS
XWE
DQM_0 … DQM_7
SDA_0 … SDA_13
SDD_0 … SDD_127
VD+3.3CV
R687 NU-R1
R688 0
R691 NU-R1
R692 0
R693 0
R694 0
R695 0
DQM[7..0]
SDA[10..0]
SD_BA0
SD_BA1
SDD[127..0]
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10


VD+3.3CV
R689 470
R690 NU-R1
IC319
IC320
IC321
IC322
HY57V643220CT-7
SDA0
SDA1
SDA2
SDA3
SDA4
SDA5
SDA6
SDA7
SDA8
SDA9
SDA10
SD_BA0
SD_BA1
A0
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10(AP)
BA0
BA1
CLK
CKE
/CS
/RAS
/CAS
/WE
VccQ
VssQ
Vcc
Vss
NC
DQ0 … DQ31
DQM0
DQM1
DQM2
DQM3
SDD0 … SDD31
SDD32 … SDD63
SDD64 … SDD95
SDD96 … SDD127
DQM0
DQM1
DQM2
DQM3
DQM4
DQM5
DQM6
DQM7
VD+3.3
V_DRAM1
C573 100uF/6.3V(PXA-5)
C574 100uF/6.3V(PXA-5)
C575 0.1uF
C576 0.1uF
C577 0.1uF
C578 0.1uF
C579 0.1uF
C580 0.1uF
C581 0.1uF
C582 0.1uF
C583 0.1uF
C584 0.1uF
C585 0.1uF
C586 0.1uF
C589 0.1uF
C590 0.1uF
C591 0.1uF
C592 0.1uF
C593 0.1uF
C594 0.1uF
C595 0.1uF
C596 0.1uF
C597 0.1uF
C598 0.1uF
C599 0.1uF
C600 0.1uF
DD[127..0]
10
11
12
13
14
15
16
17
18
19

■ PC I/F Unit-6/7 (AVC System)

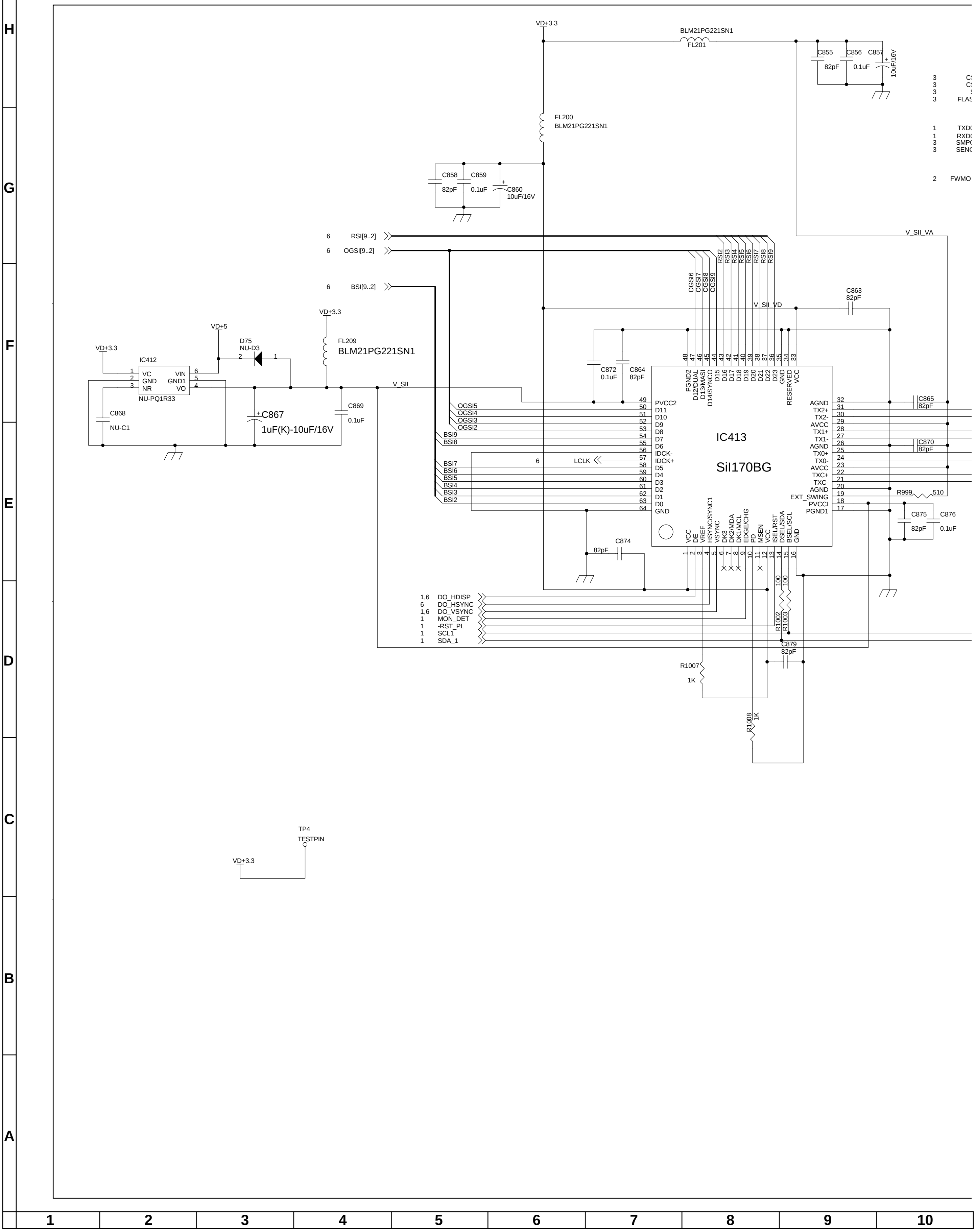
CVIC2 MAIN

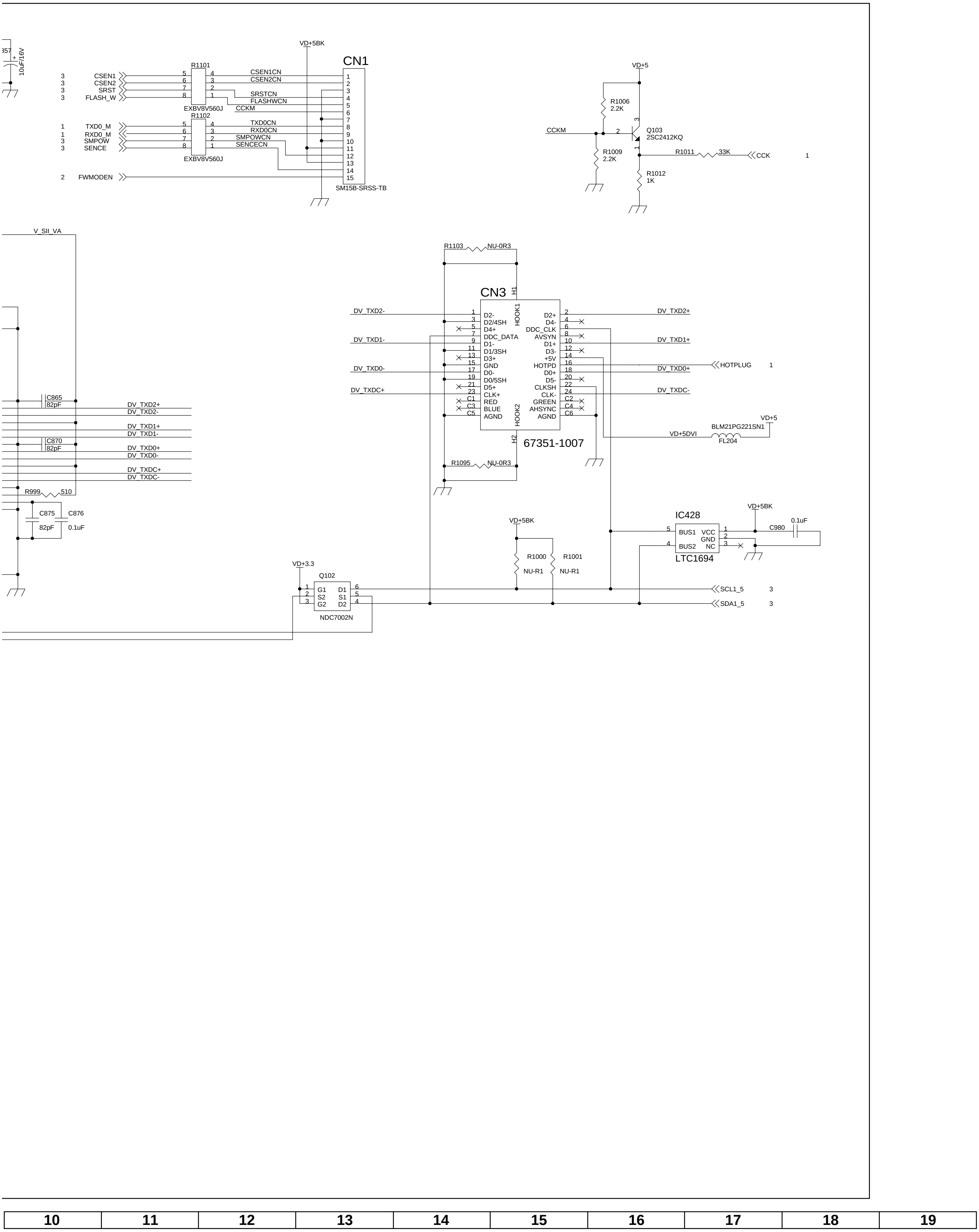

H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
IC25B
CVIC2
4 RI1A[7..0]
4 OGI1A[7..0]
4 BI1A[7..0]
4 RI1B[7..0]
4 OGI1B[7..0]
4 BI1B[7..0]
4 OVCLK
4 OV0_H
4 OV0_V
4 PC_C3
4 OV0_HSC2
R977 10K
3 OVR[7..0]
3 OVG[7..0]
3 OVB[7..0]
3 OV1_VCLK
3 OV1_H
3 OV1_V
R971 EXBV8V330J
R972 EXBV8V330J
R973 EXBV8V330J
R974 EXBV8V330J
R975 EXBV8V330J
R976 EXBV8V330J
RSI[9..2] 7
OGSI[9..2] 7
BSI[9..2] 7
TL222
TL112
TL113
TL122
TL114
R978 0
R979 0
R980 0
DO_HSYNC 7
DO_VSYNC 1,7
DO_HDISP 1,7
OV0_CLP 4
OV0_HSNR 4
OV0_PDEN 4
OV1_VCKO 3
OV1_CLP 3
OV1_HSNR 3
OV1_HSNF 3
OV1_PDEN 3
DCLKIN
FL98 33(1/10W)
LCLK 7
C695 NU-C1
VGA_OE 1
VD+3.3
X6
OUT VDC
GND Cntl
C919 0.1uF
R1128 47
DSO751SV(25.175M)
X5
C759 0.1uF
91.3M
FL110 0(1/10W)
DCLKXTAL
R1135 10K
WXGA_OE 1
-RST_PLL 1
VD+3.3CV
R1201 100
X4
C697 0.01uF
DSO751SV(25.000M)


IC25C
VSS
1 2 29 30 31 32 58 59 60 87 88 89 116 283 338 344 352 353 433 443 455 482 484 501 502 503 506 507 510 511 514 515 519 520 521 522 525 526 529 530 533 534 538 539 540 544 545 548 549 552 553 557 558 559 563 564 567 568 571 572 576
VDDL
504 505 508 509 512 513 516 517 523 524 527 528 531 532 535 536 542 543 546 547 550 551 554 555 561 562 565 566 569 570 573 574
VDDH
171 337 343 420 423 426 428 429 432 434 435 438 439 441 442 444 447 450 453 454 456 458 462 465 468 471 474 477 483 486 489 492 495 498 560
C815 0.1uF
C816 0.1uF
C817 0.1uF
C818 0.1uF
C819 0.1uF
C820 0.1uF
C821 0.1uF
C822 0.1uF
C823 0.1uF
C824 0.1uF
C825 0.1uF
C826 0.1uF
C827 0.1uF
C828 0.1uF
C829 0.1uF
C830 0.1uF
C831 0.1uF
C832 0.1uF
C833 0.1uF
C834 0.1uF
C835 0.1uF
C836 0.1uF
C837 0.1uF
C838 0.1uF
C839 0.1uF
C840 0.1uF
C841 0.1uF
C842 0.1uF
C843 0.1uF
C844 0.1uF
C845 0.1uF
C848 0.1uF
CVIC2
PCVICPLL
491 A_VDD
490 A_VSS
C846 1uF
R1134 0
VD+3.3
VD+3.3CV
C366 100uF/6.3V(PXA)
TP10 PAD1.6
TP11 PAD1.6
TP12 PAD1.6
TP13 PAD1.6
VD+5
C847 100uF/6.3V
VA+5
C849 100uF/6.3V
VD+1.8
C850 100uF/6.3V(PXA)
VD+3.3
C851 120uF/6.3V(PXA)
V-5
C852 47uF/6.3V
VA+9
C854 47uF/16V
VD+5BK
C853 0.1uF
POWER CON
CN9
S13B-PH-SM3-TB
1 2 3 4 5 6 7 8 9 10 11 12 13
C1 C2
VGA_OE 1
VD+3.3
C919 0.1uF
VD+3.3
C759 0.1uF
WXGA_OE 1
VD+1.8
FL31 NU-BLM21
FL32 BLM21PG221SN1
VD+1.8CV
C367 150uF/4V(PXA)
C10 NU-C3216
10 11 12 13 14 15 16 17 18 19

■ PC I/F Unit-7/7 (AVC System)

PANEL LINK(OUT)


H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
VD+3.3
BLM21PG221SN1
FL201
C855
82pF
C856
0.1uF
C857
10uF/16V
FL200
BLM21PG221SN1
C858
82pF
C859
0.1uF
C860
10uF/16V
6 RSI[9..2]
6 OGSI[9..2]
6 BSI[9..2]
V_SII_VA
V_SII_VD
C863
82pF
VD+3.3
FL209
BLM21PG221SN1
VD+5
D75
NU-D3
VD+3.3
IC412
VC
GND
NR
VIN
GND1
VO
NU-PQ1R33
C868
NU-C1
C867
1uF(K)-10uF/16V
C869
0.1uF
V_SII
C872
0.1uF
C864
82pF
IC413
SiI170BG
PVCC2
D11
D10
D9
D8
D7
D6
IDCK-
IDCK+
D5
D4
D3
D2
D1
D0
GND
PGND2
D12/DUAL
D13/MASI
D14/SYNCO
D15
D16
D17
D18
D19
D20
D21
D22
D23
GND
RESERVED
VCC
AGND
TX2+
TX2-
AVCC
TX1+
TX1-
AGND
TX0+
TX0-
AVCC
TXC+
TXC-
AGND
EXT_SWING
PVCCI
PGND1
VCC
DE
VREF
HSYNC/SYNC1
VSYNC
DK3
DK2/MDA
DK1/MCL
EDGE/CHG
PD
MSEN
VCC
ISEL/RST
DSEL/SDA
BSEL/SCL
GND
OGSI5
OGSI4
OGSI3
OGSI2
BSI9
BSI8
BSI7
BSI6
BSI5
BSI4
BSI3
BSI2
OGSI6
OGSI7
OGSI8
OGSI9
RSI2
RSI3
RSI4
RSI5
RSI6
RSI7
RSI8
RSI9
6 LCLK
C874
82pF
C865
82pF
C870
82pF
R999
510
C875
82pF
C876
0.1uF
1,6 DO_HDISP
6 DO_HSYNC
1,6 DO_VSYNC
1 MON_DET
1 -RST_PL
1 SCL1
1 SDA_1
R1002
R1003
100
100
C879
82pF
R1007
1K
R1008
1K
TP4
TESTPIN
VD+3.3
3 C
3 C
3
3 FLAS
1 TXD
1 RXD
3 SMP
3 SENC
2 FWMO


357
10uF/16V
VD+5BK
CN1
R1101
3 CSEN1
3 CSEN2
3 SRST
3 FLASH_W
CSEN1CN
CSEN2CN
SRSTCN
FLASHWCN
CCKM
EXBV8V560J
R1102
1 TXD0_M
1 RXD0_M
3 SMPOW
3 SENCE
TXD0CN
RXD0CN
SMPOWCN
SENCECN
EXBV8V560J
2 FWMODEN
SM15B-SRSS-TB
VD+5
R1006
2.2K
CCKM
Q103
2SC2412KQ
R1009
2.2K
R1011
33K
CCK 1
R1012
1K
V_SII_VA
R1103
NU-0R3
CN3
H1
HOOK1
DV_TXD2-
D2-
D2/4SH
D4+
DDC_DATA
DV_TXD1-
D1-
D1/3SH
D3+
GND
DV_TXD0-
D0-
D0/5SH
D5+
DV_TXDC+
CLK+
RED
BLUE
AGND
C1
C3
C5
D2+
D4-
DDC_CLK
AVSYN
D1+
D3-
+5V
HOTPD
D0+
D5-
CLKSH
CLK-
GREEN
AHSYNC
AGND
C2
C4
C6
DV_TXD2+
DV_TXD1+
HOTPLUG 1
DV_TXD0+
DV_TXDC-
HOOK2
H2
67351-1007
VD+5
BLM21PG221SN1
VD+5DVI
FL204
R1095
NU-0R3
C865
82pF
DV_TXD2+
DV_TXD2-
DV_TXD1+
DV_TXD1-
C870
82pF
DV_TXD0+
DV_TXD0-
DV_TXDC+
DV_TXDC-
R999
510
C875
C876
82pF
0.1uF
IC428
VD+5BK
VD+5BK
BUS1
VCC
GND
BUS2
NC
LTC1694
C980
0.1uF
R1000
NU-R1
R1001
NU-R1
VD+3.3
Q102
G1
S2
G2
D1
S1
D2
NDC7002N
SCL1_5 3
SDA1_5 3
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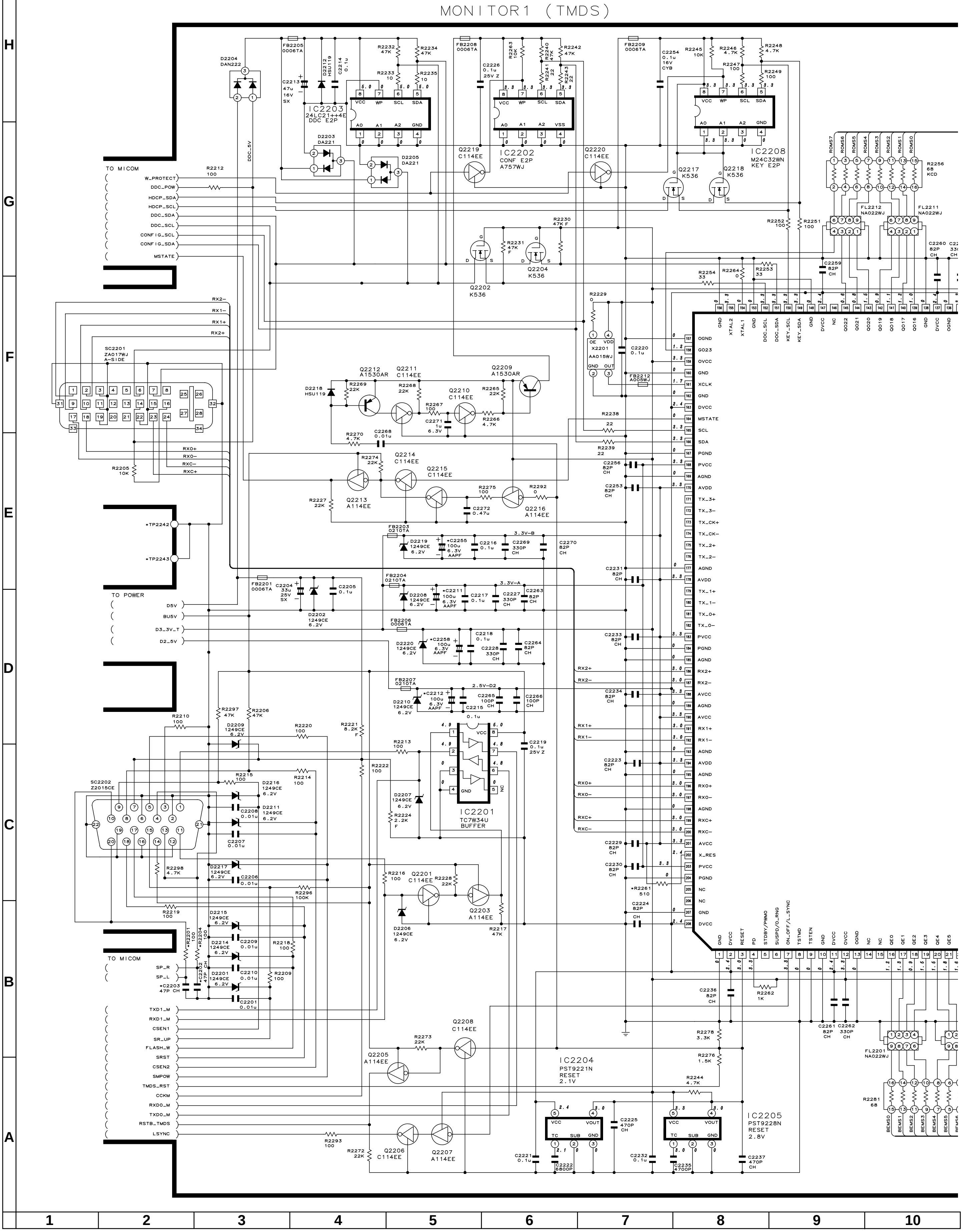
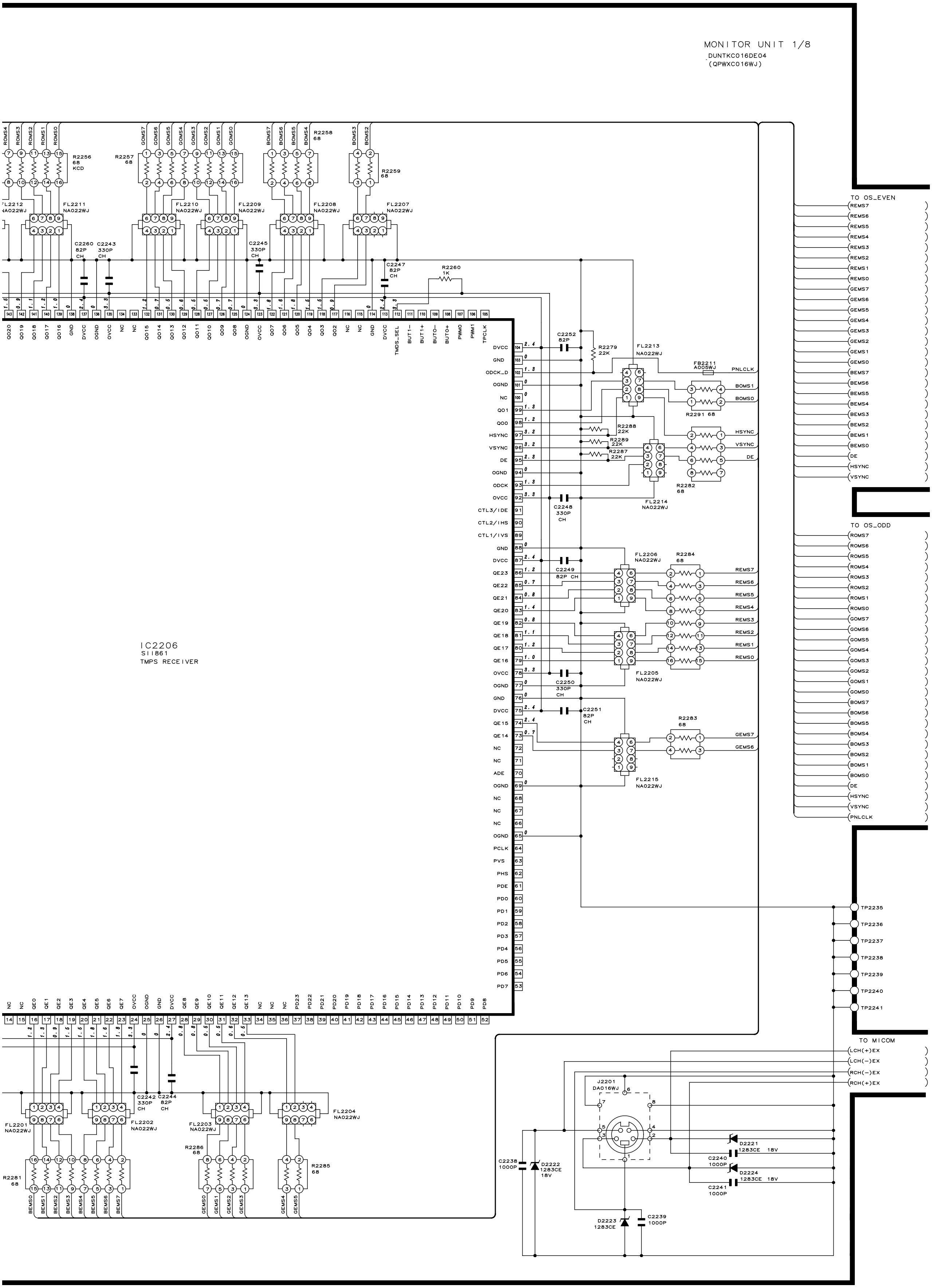
19

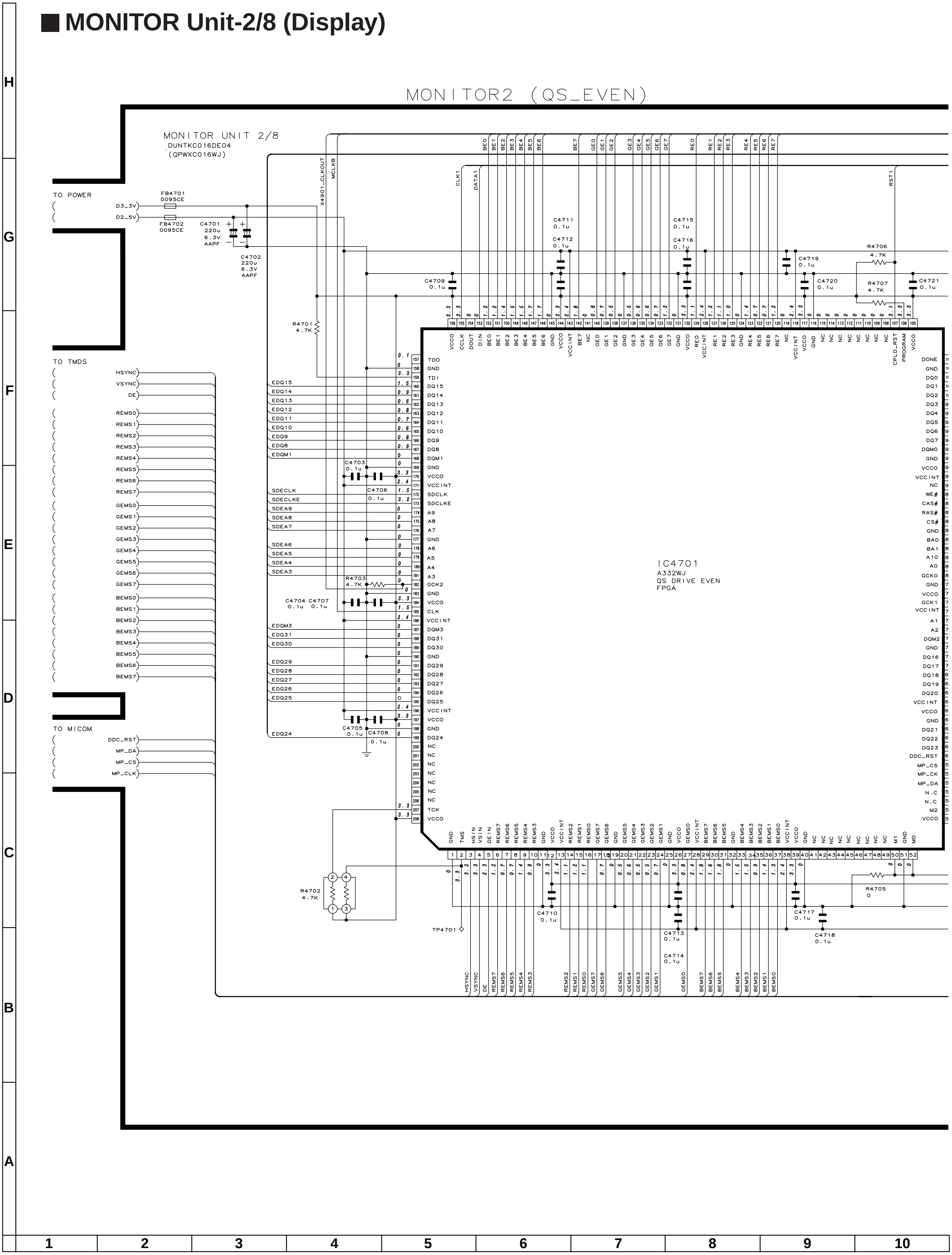
■ MONITOR Unit-1/8 (Display)

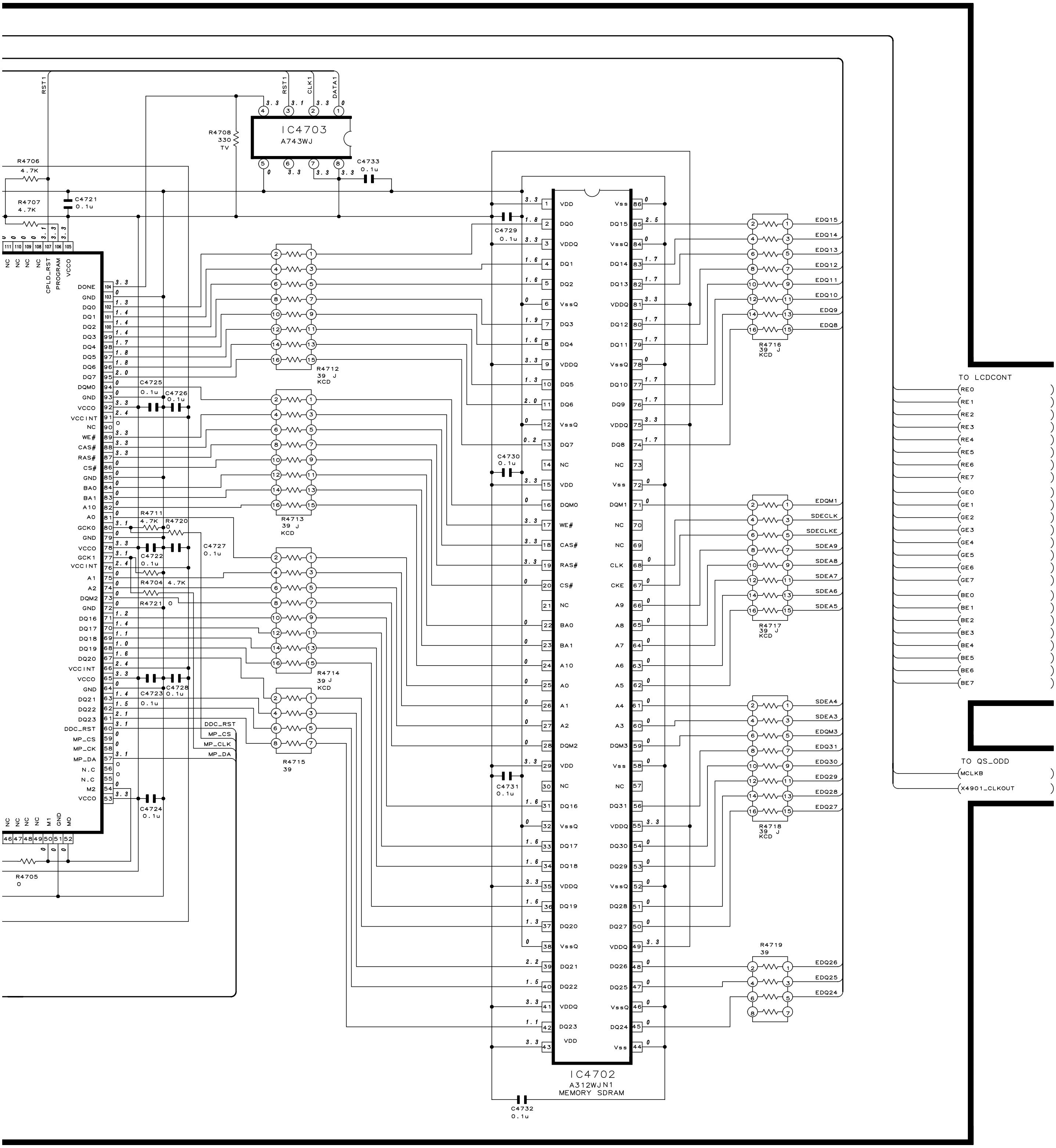

MONITOR1 (TMDS)
IC2203
24LC21++4E
DDC E2P
IC2202
CONF E2P
A757WJ
IC2208
M24C32WN
KEY E2P
IC2201
TC7W34U
BUFFER
IC2204
PST9221N
RESET
2.1V
IC2205
PST9228N
RESET
2.8V
SC2201
ZA017WJ
A-SIDE
SC2202
Z2015CE
X2201
AA015WJ
TO MICOM
W_PROTECT
DDC_POW
HDCP_SDA
HDCP_SCL
DDC_SDA
DDC_SCL
CONFIG_SCL
CONFIG_SDA
MSTATE
TO POWER
D5V
BU5V
D3_3V_T
D2_5V
TO MICOM
SP_R
SP_L
TXD1_M
RXD1_M
CSEN1
SR_UP
FLASH_W
SRST
CSEN2
SMPOW
TMDS_RST
CCKM
RXD0_M
TXD0_M
RSTB_TMDS
LSYNC
RX2-
RX1-
RX1+
RX2+
RX0+
RX0-
RXC-
RXC+
TP2242
TP2243
OGND
GO23
OVCC
GND
XCLK
DVCC
MSTATE
SCL
SDA
PGND
PVCC
AGND
AVDD
TX_3+
TX_3-
TX_CK+
TX_CK-
TX_2+
TX_2-
TX_1+
TX_1-
TX_0+
TX_0-
RX2+
RX2-
AVCC
RX1+
RX1-
RX0+
RX0-
RXC+
RXC-
X_RES
NC
RESET
PD
STDBY/PWM0
SUSPD/O_RNG
ON_OFF/L_SYNC
TSTMD
TSTEN
FL2201
NA022WJ
FL2211
NA022WJ
FL2212
NA022WJ
3.3V-B
3.3V-A
2.5V-D2
1
2
3
4
5
6
7
8
9
10
A
B
C
D
E
F
G
H


MONITOR UNIT 1/8
DUNTKC016DE04
(QPWXC016WJ)
IC2206
SII861
TMPS RECEIVER
TO OS_EVEN
REMS7
REMS6
REMS5
REMS4
REMS3
REMS2
REMS1
REMS0
GEMS7
GEMS6
GEMS5
GEMS4
GEMS3
GEMS2
GEMS1
GEMS0
BEMS7
BEMS6
BEMS5
BEMS4
BEMS3
BEMS2
BEMS1
BEMS0
DE
HSYNC
VSYNC
TO OS_ODD
ROMS7
ROMS6
ROMS5
ROMS4
ROMS3
ROMS2
ROMS1
ROMS0
GOMS7
GOMS6
GOMS5
GOMS4
GOMS3
GOMS2
GOMS1
GOMS0
BOMS7
BOMS6
BOMS5
BOMS4
BOMS3
BOMS2
BOMS1
BOMS0
DE
HSYNC
VSYNC
PNLCLK
TP2235
TP2236
TP2237
TP2238
TP2239
TP2240
TP2241
TO MICOM
LCH(+)EX
LCH(−)EX
RCH(−)EX
RCH(+)EX
J2201
DA016WJ
D2221
1283CE 18V
D2224
1283CE 18V
D2222
1283CE
18V
D2223
1283CE
C2238
1000P
C2239
1000P
C2240
1000P
C2241
1000P
FL2201 NA022WJ
FL2202 NA022WJ
FL2203 NA022WJ
FL2204 NA022WJ
FL2205 NA022WJ
FL2206 NA022WJ
FL2207 NA022WJ
FL2208 NA022WJ
FL2209 NA022WJ
FL2210 NA022WJ
FL2211 NA022WJ
FL2212 NA022WJ
FL2213 NA022WJ
FL2214 NA022WJ
FL2215 NA022WJ
FB2211 A005WJ
R2256 68 KCD
R2257 68
R2258 68
R2259 68
R2260 1K
R2279 22K
R2281 68
R2282 68
R2283 68
R2284 68
R2285 68
R2286 68
R2287 22K
R2288 22K
R2289 22K
R2291 68
C2242 330P CH
C2243 330P CH
C2244 82P CH
C2245 330P CH
C2247 82P CH
C2248 330P CH
C2249 82P CH
C2250 330P CH
C2251 82P CH
C2252 82P
C2260 82P CH
DVCC
GND
ODCK_D
OGND
NC
QO1
QO0
HSYNC
VSYNC
DE
ODCK
OVCC
CTL3/IDE
CTL2/IHS
CTL1/IVS
QE23
QE22
QE21
QE20
QE19
QE18
QE17
QE16
QE15
QE14
ADE
PCLK
PVS
PHS
PDE
PD0
PD1
PD2
PD3
PD4
PD5
PD6
PD7
TMDS_SEL
BUT1−
BUT1+
BUT0−
BUT0+
PWM0
PWM1
TPCLK
PNLCLK
BOMS1
BOMS0

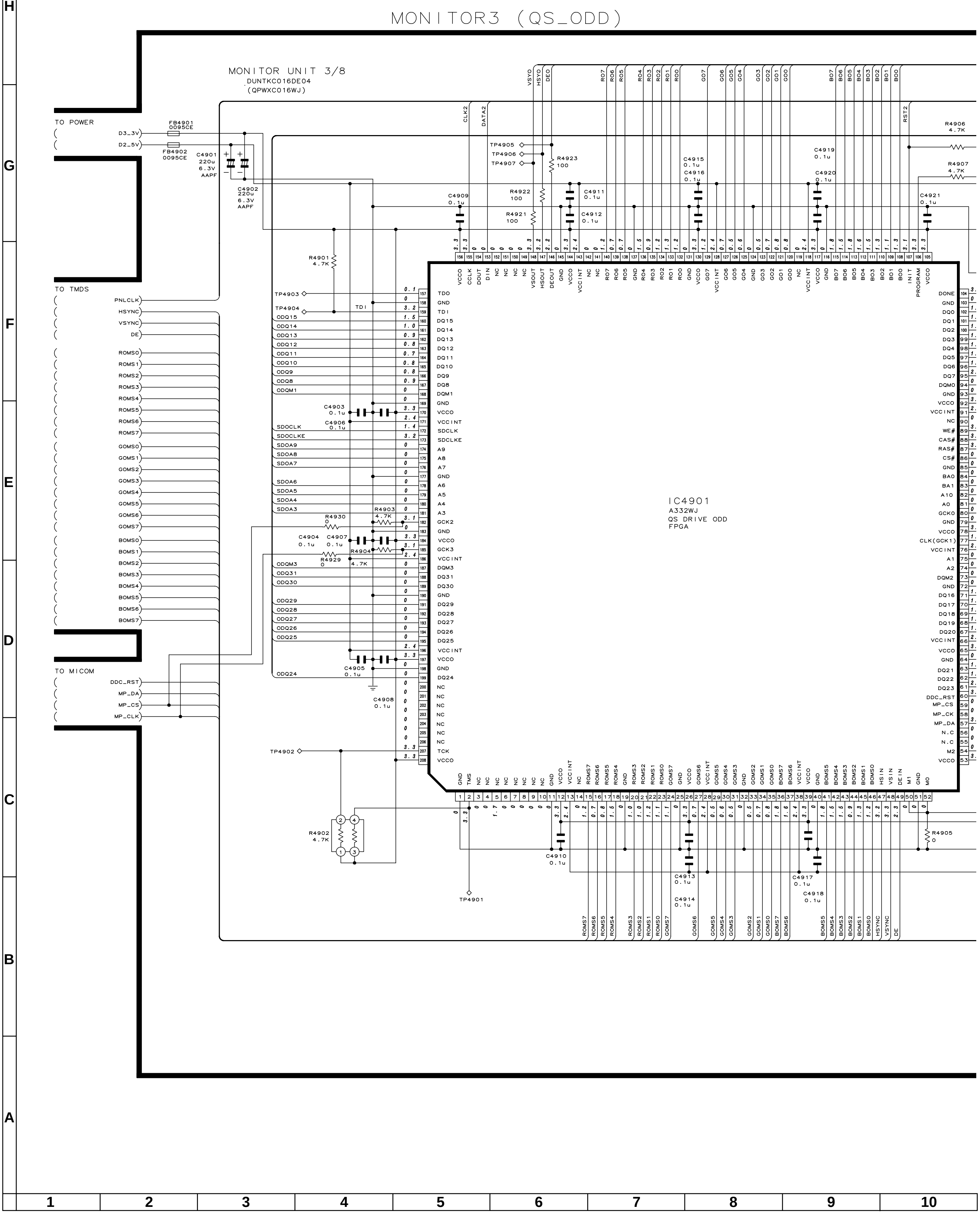
10	11	12	13	14	15	16	17	18	19

■ MONITOR Unit-2/8 (Display)


MONITOR2 (QS_EVEN)
MONITOR UNIT 2/8
DUNTKC016DE04
(QPWXC016WJ)
TO POWER
D3_3V
D2_5V
FB4701 0095CE
FB4702 0095CE
C4701 220u 6.3V AAPF
C4702 220u 6.3V AAPF
TO TMDS
HSYNC
VSYNC
DE
REMS0
REMS1
REMS2
REMS3
REMS4
REMS5
REMS6
REMS7
GEMS0
GEMS1
GEMS2
GEMS3
GEMS4
GEMS5
GEMS6
GEMS7
BEMS0
BEMS1
BEMS2
BEMS3
BEMS4
BEMS5
BEMS6
BEMS7
TO MICOM
DDC_RST
MP_DA
MP_CS
MP_CLK
X4901_CLKOUT
MCLKB
CLK1
DATA1
RST1
R4701 4.7K
R4702 4.7K
R4703 4.7K
R4705 0
R4706 4.7K
R4707 4.7K
C4703 0.1u
C4704 0.1u
C4705 0.1u
C4706 0.1u
C4707 0.1u
C4708 0.1u
C4709 0.1u
C4710 0.1u
C4711 0.1u
C4712 0.1u
C4713 0.1u
C4714 0.1u
C4715 0.1u
C4716 0.1u
C4717 0.1u
C4718 0.1u
C4719 0.1u
C4720 0.1u
C4721 0.1u
TP4701
IC4701
A332WJ
QS DRIVE EVEN
FPGA
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10


IC4703
A743WJ
R4708
330
TV
RST1
CLK1
DATA1
C4733
0.1u
R4706
4.7K
R4707
4.7K
C4721
0.1u
DONE
GND
DQ0
DQ1
DQ2
DQ3
DQ4
DQ5
DQ6
DQ7
DQM0
VCCO
VCCINT
NC
WE#
CAS#
RAS#
CS#
BA0
BA1
A10
A0
GCK0
GCK1
A1
A2
DQM2
DQ16
DQ17
DQ18
DQ19
DQ20
DQ21
DQ22
DQ23
DDC_RST
MP_CS
MP_CK
MP_DA
N.C
M2
CPLD_RST
PROGRAM
M1
M0
C4725
C4726
C4722
C4723
C4724
C4727
C4728
R4711
4.7K
R4720
0
R4704
4.7K
R4721
0
R4705
0
MP_CLK
R4712
39 J
KCD
R4713
39 J
KCD
R4714
39 J
KCD
R4715
39
C4729
0.1u
C4730
0.1u
C4731
0.1u
C4732
0.1u
IC4702
A312WJN1
MEMORY SDRAM
VDD
VDDQ
VssQ
Vss
NC
CLK
CKE
DQM0
DQM1
DQM2
DQM3
A3
A4
A5
A6
A7
A8
A9
DQ8
DQ9
DQ10
DQ11
DQ12
DQ13
DQ14
DQ15
DQ24
DQ25
DQ26
DQ27
DQ28
DQ29
DQ30
DQ31
R4716
39 J
KCD
R4717
39 J
KCD
R4718
39 J
KCD
R4719
39
EDQ15
EDQ14
EDQ13
EDQ12
EDQ11
EDQ10
EDQ9
EDQ8
EDQM1
SDECLK
SDECLKE
SDEA9
SDEA8
SDEA7
SDEA6
SDEA5
SDEA4
SDEA3
EDQM3
EDQ31
EDQ30
EDQ29
EDQ28
EDQ27
EDQ26
EDQ25
EDQ24
TO LCDCONT
RE0
RE1
RE2
RE3
RE4
RE5
RE6
RE7
GE0
GE1
GE2
GE3
GE4
GE5
GE6
GE7
BE0
BE1
BE2
BE3
BE4
BE5
BE6
BE7
TO QS_ODD
MCLKB
X4901_CLKOUT

■ MONITOR Unit-3/8 (Display)


MONITOR3 (QS_ODD)
MONITOR UNIT 3/8
DUNTKC016DE04
(QPWXC016WJ)
TO POWER
D3_3V
D2_5V
FB4901
0095CE
FB4902
0095CE
C4901
220u
6.3V
AAPF
C4902
220u
6.3V
AAPF
TO TMDS
PNLCLK
HSYNC
VSYNC
DE
ROMS0
ROMS1
ROMS2
ROMS3
ROMS4
ROMS5
ROMS6
ROMS7
GOMS0
GOMS1
GOMS2
GOMS3
GOMS4
GOMS5
GOMS6
GOMS7
BOMS0
BOMS1
BOMS2
BOMS3
BOMS4
BOMS5
BOMS6
BOMS7
TO MICOM
DDC_RST
MP_DA
MP_CS
MP_CLK
TP4901
TP4902
TP4903
TP4904
TP4905
TP4906
TP4907
TDI
CLK2
DATA2
VSYO
HSYO
DEO
RST2
R4901
4.7K
R4902
4.7K
R4903
4.7K
R4904
4.7K
R4905
0
R4906
4.7K
R4907
4.7K
R4921
100
R4922
100
R4923
100
R4929
0
R4930
0
C4903
C4904
C4905
C4906
C4907
C4908
C4909
C4910
C4911
C4912
C4913
C4914
C4915
C4916
C4917
C4918
C4919
C4920
C4921
0.1u
ODQ15
ODQ14
ODQ13
ODQ12
ODQ11
ODQ10
ODQ9
ODQ8
ODQM1
SDOCLK
SDOCLKE
SDOA9
SDOA8
SDOA7
SDOA6
SDOA5
SDOA4
SDOA3
ODQM3
ODQ31
ODQ30
ODQ29
ODQ28
ODQ27
ODQ26
ODQ25
ODQ24
IC4901
A332WJ
QS DRIVE ODD
FPGA
TDO
GND
TDI
DQ15
DQ14
DQ13
DQ12
DQ11
DQ10
DQ9
DQ8
DQM1
VCCO
VCCINT
SDCLK
SDCLKE
A9
A8
A7
A6
A5
A4
A3
GCK2
GCK3
DQM3
DQ31
DQ30
DQ29
DQ28
DQ27
DQ26
DQ25
DQ24
NC
TCK
VCCO
CCLK
DOUT
DIN
VSOUT
HSOUT
DEOUT
RO7
RO6
RO5
RO4
RO3
RO2
RO1
RO0
GO7
GO6
GO5
GO4
GO3
GO2
GO1
GO0
BO7
BO6
BO5
BO4
BO3
BO2
BO1
BO0
INIT
PROGRAM
DONE
DQ0
DQ1
DQ2
DQ3
DQ4
DQ5
DQ6
DQ7
DQM0
WE#
CAS#
RAS#
CS#
BA0
BA1
A10
A0
GCK0
CLK(GCK1)
A1
A2
DQM2
DQ16
DQ17
DQ18
DQ19
DQ20
DQ21
DQ22
DQ23
DDC_RST
MP_CS
MP_CK
MP_DA
N.C
M2
TMS
HSIN
VSIN
DEIN
M1
M0
HSYNC
VSYNC
DE
H
G
F
E
D
C
B
A
1
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3
4
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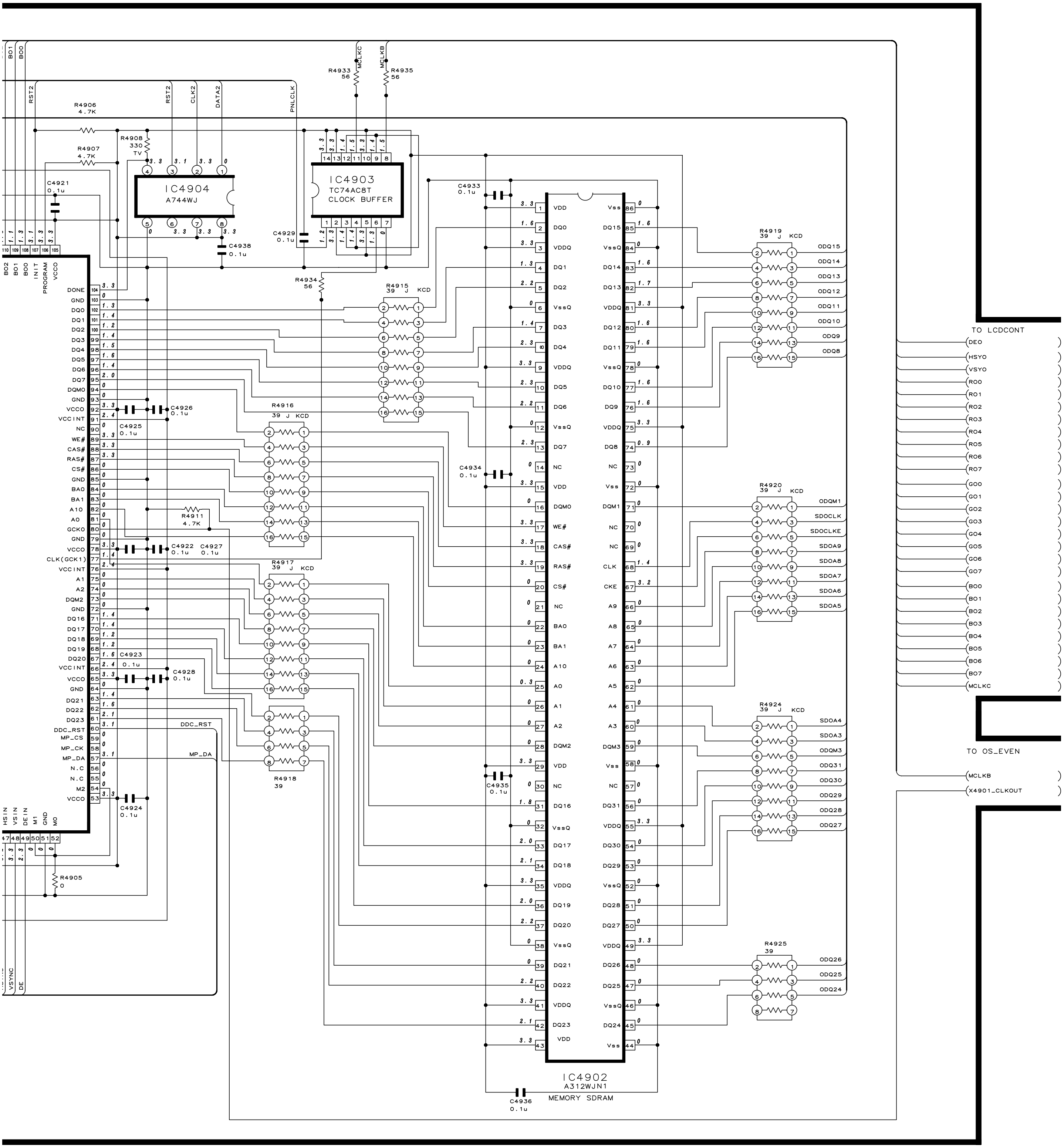
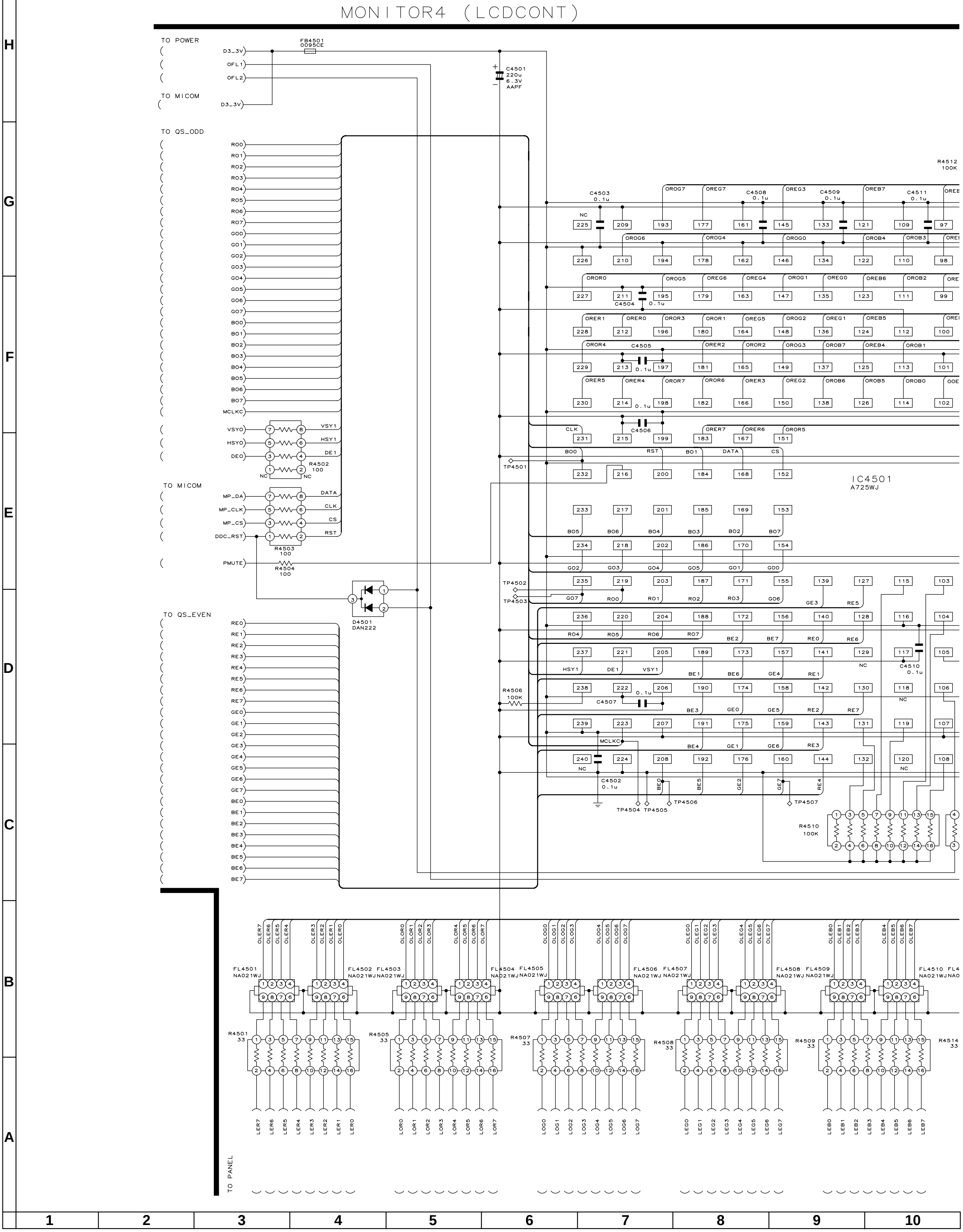
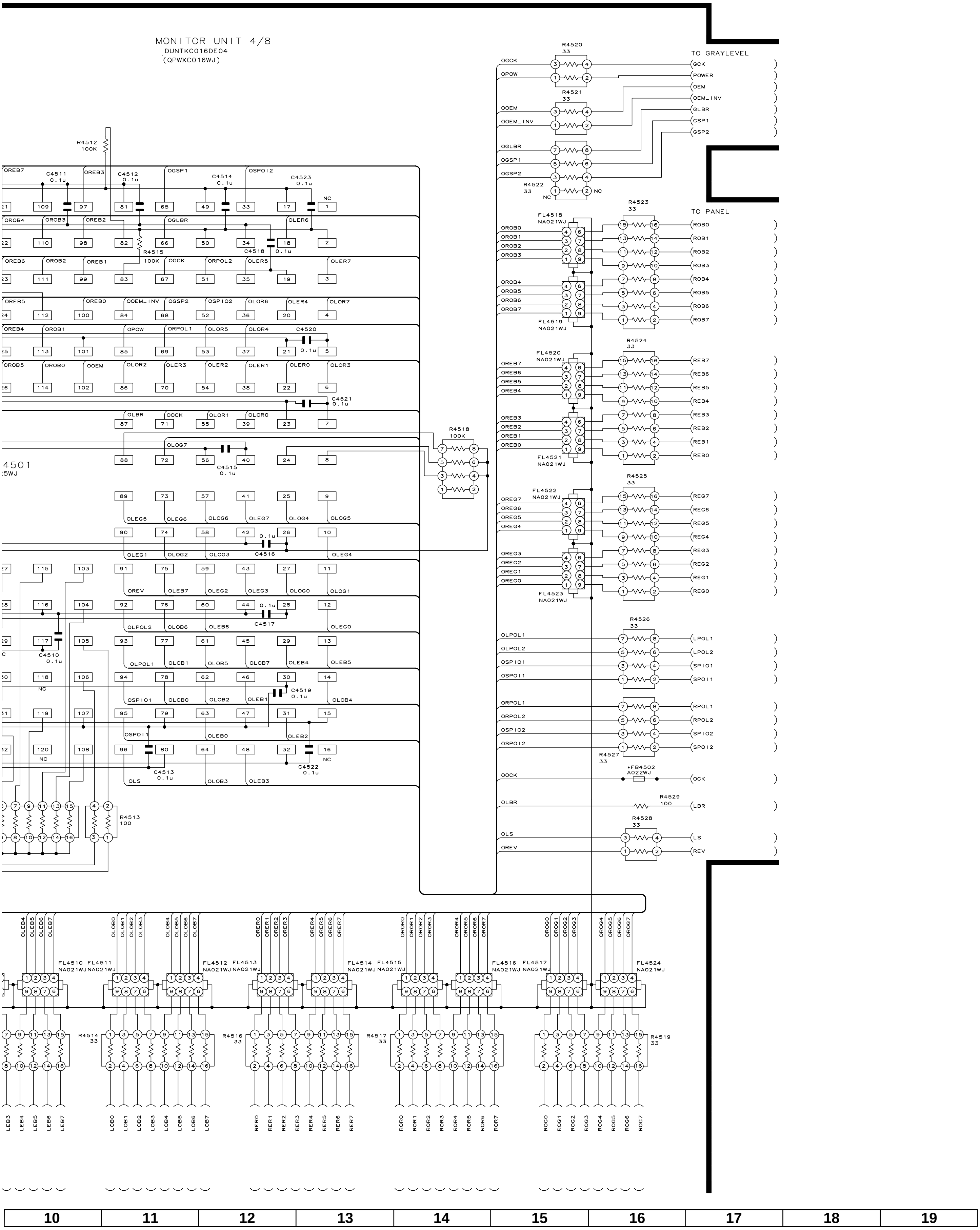
8
9
10


IC4904
A744WJ
IC4903
TC74AC8T
CLOCK BUFFER
IC4902
A312WJN1
MEMORY SDRAM
R4906 4.7K
R4907 4.7K
R4908 330 TV
R4911 4.7K
R4905 0
R4933 56
R4935 56
R4934 56
R4915 39 J KCD
R4916 39 J KCD
R4917 39 J KCD
R4918 39
R4919 39 J KCD
R4920 39 J KCD
R4924 39 J KCD
R4925 39
C4921 0.1u
C4938 0.1u
C4929 0.1u
C4933 0.1u
C4934 0.1u
C4935 0.1u
C4936 0.1u
C4925 0.1u
C4926 0.1u
C4922 0.1u
C4927 0.1u
C4923 0.1u
C4928 0.1u
C4924 0.1u
MCLKC
MCLKB
PNLCLK
RST2
CLK2
DATA2
BO1
BO0
BO2
INIT
PROGRAM
VCCO
DONE
GND
DQ0
DQ1
DQ2
DQ3
DQ4
DQ5
DQ6
DQ7
DQM0
VCCINT
NC
WE#
CAS#
RAS#
CS#
BA0
BA1
A10
A0
GCK0
CLK(GCK1)
A1
A2
DQM2
DQ16
DQ17
DQ18
DQ19
DQ20
DQ21
DQ22
DQ23
DDC_RST
MP_CS
MP_CK
MP_DA
N.C
M2
HSIN
VSIN
DEIN
M1
M0
VSYNC
DE
VDD
VDDQ
VssQ
Vss
DQM1
DQM3
CLK
CKE
A3
A4
A5
A6
A7
A8
A9
ODQ15
ODQ14
ODQ13
ODQ12
ODQ11
ODQ10
ODQ9
ODQ8
ODQM1
SDOCLK
SDOCLKE
SDOA9
SDOA8
SDOA7
SDOA6
SDOA5
SDOA4
SDOA3
ODQM3
ODQ31
ODQ30
ODQ29
ODQ28
ODQ27
ODQ26
ODQ25
ODQ24
TO LCDCONT
DEO
HSYO
VSYO
RO0
RO1
RO2
RO3
RO4
RO5
RO6
RO7
GO0
GO1
GO2
GO3
GO4
GO5
GO6
GO7
BO3
BO4
BO5
BO6
BO7
MCLKC
TO OS_EVEN
MCLKB
X4901_CLKOUT

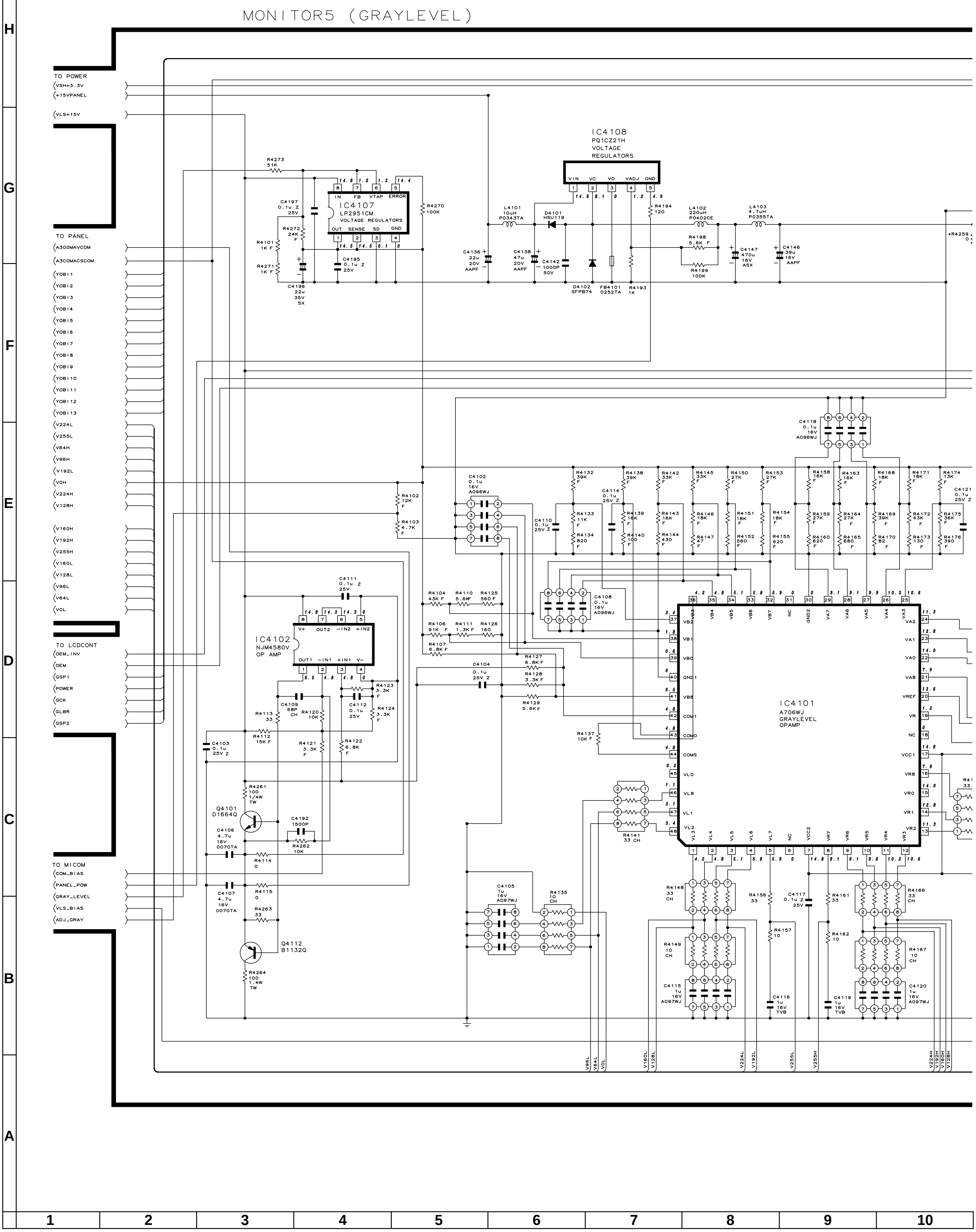
10	11	12	13	14	15	16	17	18	19

■ MONITOR Unit-4/8 (Display)


MONITOR4 (LCDCONT)
TO POWER
D3_3V
OFL1
OFL2
TO MICOM
D3_3V
FB4501
0095CE
C4501
220u
6.3V
AAPF
TO QS_ODD
RO0 RO1 RO2 RO3 RO4 RO5 RO6 RO7
GO0 GO1 GO2 GO3 GO4 GO5 GO6 GO7
BO0 BO1 BO2 BO3 BO4 BO5 BO6 BO7
MCLKC
VSYO
HSYO
DEO
VSY1
HSY1
DE1
R4502
100
NC
TO MICOM
MP_DA
MP_CLK
MP_CS
DDC_RST
DATA
CLK
CS
RST
R4503
100
PMUTE
R4504
100
D4501
DAN222
TO QS_EVEN
RE0 RE1 RE2 RE3 RE4 RE5 RE6 RE7
GE0 GE1 GE2 GE3 GE4 GE5 GE6 GE7
BE0 BE1 BE2 BE3 BE4 BE5 BE6 BE7
C4502
0.1u
C4503
0.1u
C4504
0.1u
C4505
0.1u
C4506
0.1u
C4507
0.1u
C4508
0.1u
C4509
0.1u
C4510
0.1u
C4511
0.1u
R4506
100K
R4510
100K
R4512
100K
TP4501
TP4502
TP4503
TP4504
TP4505
TP4506
TP4507
IC4501
A725WJ
FL4501
NA021WJ
FL4502
FL4503
FL4504
FL4505
FL4506
FL4507
FL4508
FL4509
FL4510
R4501
33
R4505
33
R4507
33
R4508
33
R4509
33
R4514
33
OLER7 OLER6 OLER5 OLER4 OLER3 OLER2 OLER1 OLER0
OLOR0 OLOR1 OLOR2 OLOR3 OLOR4 OLOR5 OLOR6 OLOR7
OLOG0 OLOG1 OLOG2 OLOG3 OLOG4 OLOG5 OLOG6 OLOG7
OLEG0 OLEG1 OLEG2 OLEG3 OLEG4 OLEG5 OLEG6 OLEG7
OLEB0 OLEB1 OLEB2 OLEB3 OLEB4 OLEB5 OLEB6 OLEB7
LER7 LER6 LER5 LER4 LER3 LER2 LER1 LER0
LOR0 LOR1 LOR2 LOR3 LOR4 LOR5 LOR6 LOR7
LOG0 LOG1 LOG2 LOG3 LOG4 LOG5 LOG6 LOG7
LEG0 LEG1 LEG2 LEG3 LEG4 LEG5 LEG6 LEG7
LEB0 LEB1 LEB2 LEB3 LEB4 LEB5 LEB6 LEB7
TO PANEL
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10


MONITOR UNIT 4/8
DUNTKC016DE04
(QPWXC016WJ)
4501
TO GRAYLEVEL
GCK
POWER
OEM
OEM_INV
GLBR
GSP1
GSP2
TO PANEL
ROB0 ROB1 ROB2 ROB3 ROB4 ROB5 ROB6 ROB7
REB7 REB6 REB5 REB4 REB3 REB2 REB1 REB0
REG7 REG6 REG5 REG4 REG3 REG2 REG1 REG0
LPOL1 LPOL2 SPIO1 SPOI1
RPOL1 RPOL2 SPIO2 SPOI2
OCK
LBR
LS
REV
R4520 33
R4521 33
R4522 33
R4523 33
R4524 33
R4525 33
R4526 33
R4527 33
R4528 33
R4529 100
*FB4502 A022WJ
R4518 100K
R4512 100K
R4515 100K
R4513 100
R4514 33
R4516 33
R4517 33
R4519 33
FL4518 NA021WJ
FL4519 NA021WJ
FL4520 NA021WJ
FL4521 NA021WJ
FL4522 NA021WJ
FL4523 NA021WJ
FL4510 NA021WJ
FL4511 NA021WJ
FL4512 NA021WJ
FL4513 NA021WJ
FL4514 NA021WJ
FL4515 NA021WJ
FL4516 NA021WJ
FL4517 NA021WJ
FL4524 NA021WJ
C4510 0.1u
C4511 0.1u
C4512 0.1u
C4513 0.1u
C4514 0.1u
C4515 0.1u
C4516 0.1u
C4517 0.1u
C4518 0.1u
C4519 0.1u
C4520 0.1u
C4521 0.1u
C4522 0.1u
C4523 0.1u
NC
LEB3 LEB4 LEB5 LEB6 LEB7
LOB0 LOB1 LOB2 LOB3 LOB4 LOB5 LOB6 LOB7
RER0 RER1 RER2 RER3 RER4 RER5 RER6 RER7
ROR0 ROR1 ROR2 ROR3 ROR4 ROR5 ROR6 ROR7
ROG0 ROG1 ROG2 ROG3 ROG4 ROG5 ROG6 ROG7
10
11
12
13
14
15
16
17
18
19

■ MONITOR Unit-5/8 (Display)


MONITOR5 (GRAYLEVEL)
TO POWER
VSH+3.3V
+15VPANEL
VLS+15V
TO PANEL
A300MAVCOM
A3COMACSCOM
YOBI1
YOBI2
YOBI3
YOBI4
YOBI5
YOBI6
YOBI7
YOBI8
YOBI9
YOBI10
YOBI11
YOBI12
YOBI13
V224L
V255L
V64H
V96H
V192L
VOH
V224H
V128H
V160H
V192H
V255H
V160L
V128L
V96L
V64L
VOL
TO LCDCONT
OEM_INV
OEM
GSP1
POWER
GCK
GLBR
GSP2
TO MICOM
COM_BIAS
PANEL_POW
GRAY_LEVEL
VLS_BIAS
ADJ_GRAY
IC4108
PQ1CZ21H
VOLTAGE REGULATORS
VIN VC VO VADJ GND
IC4107
LP2951CM
VOLTAGE REGULATORS
IN FB VTAP ERROR
OUT SENSE SD GND
R4273 51K
C4197 0.1u Z 25V
R4270 100K
R4272 24K F
R4101 1K F
R4271 1K F
C4196 22u 35V SX
C4195 0.1u Z 25V
L4101 10uH P0343TA
D4101 HSU119
C4136 22u 20V AAPF
C4138 47u 20V AAPF
C4142 1000P 50V
D4102 SFPB74
FB4101 0252TA
R4193 1K
R4194 120
L4102 220uH P0402CE
L4103 4.7uH P0355TA
R4198 5.6K F
R4199 100K
C4147 470u 16V ASX
C4146 39u 16V AAPF
R4259
C4118 0.1u 16V A096WJ
C4102 0.1u 16V A096WJ
R4102 12K F
R4103 4.7K F
R4132 39K F
R4133 11K F
R4134 820 F
C4110 0.1u 25V Z
C4114 0.1u 16V 25V Z
R4138 39K F
R4139 16K F
R4140 100 F
R4142 33K F
R4143 16K F
R4144 430 F
R4145 33K F
R4146 18K F
R4147 47 F
R4150 27K F
R4151 18K F
R4152 560 F
R4153 27K F
R4154 18K F
R4155 620 F
R4158 16K F
R4159 27K F
R4160 620 F
R4163 16K F
R4164 27K F
R4165 680 F
R4168 18K F
R4169 39K F
R4170 82 F
R4171 18K F
R4172 43K F
R4173 130 F
R4174 13K F
R4175 36K F
R4176 390 F
C4121 0.1u 25V Z
C4108 0.1u 16V A096WJ
C4111 0.1u Z 25V
IC4102
NJM4580V
OP AMP
V+ OUT2 -IN2 +IN2
OUT1 -IN1 +IN1 V-
R4104 43K F
R4110 5.6K F
R4125 560 F
R4106 91K F
R4111 1.3K F
R4126 160
R4107 6.8K F
C4104 0.1u 25V Z
R4127 6.8K F
R4128 3.3K F
R4129 5.6K F
R4137 10K F
C4109 68P CH
R4120 10K
C4112 0.1u 25V
R4123 3.3K F
R4124 3.3K F
R4113 33
R4112 15K F
R4121 3.3K F
R4122 6.8K F
C4103 0.1u 25V Z
R4261 100 1/4W TW
Q4101 D1664Q
C4192 1500P
R4262 10K
C4106 4.7u 16V 0070TA
R4114 0
C4107 4.7u 16V 0070TA
R4115 0
R4263 33
Q4112 B1132Q
R4264 100 1/4W TW
IC4101
A706WJ
GRAYLEVEL
OPAMP
VB3 VB4 VB5 VB6 VB7 NC GND2 VA7 VA6 VA5 VA4 VA3
VB2 VB1 VB0 GND1 VB8 COM1 COM0 COMS VL0 VL8 VL1 VL2
VA2 VA1 VA0 VA8 VREF VR NC VCC1 VR8 VR0 VR1 VR2
VL3 VL4 VL5 VL6 VL7 NC VCC2 VR7 VR6 VR5 VR4 VR3
R4141 33 CH
C4105 1u 16V A097WJ
R4135 10 CH
R4148 33 CH
R4149 10 CH
C4115 1u 16V A097WJ
R4156 33
C4117 0.1u Z 25V
R4157 10
C4116 1u 16V TVB
R4161 33
R4162 10
C4119 1u 16V TVB
R4166 33 CH
R4167 10 CH
C4120 1u 16V A097WJ
V96L V64L VOL V160L V128L V224L V192L V255L V255H V224H V192H V160H V128H
H G F E D C B A
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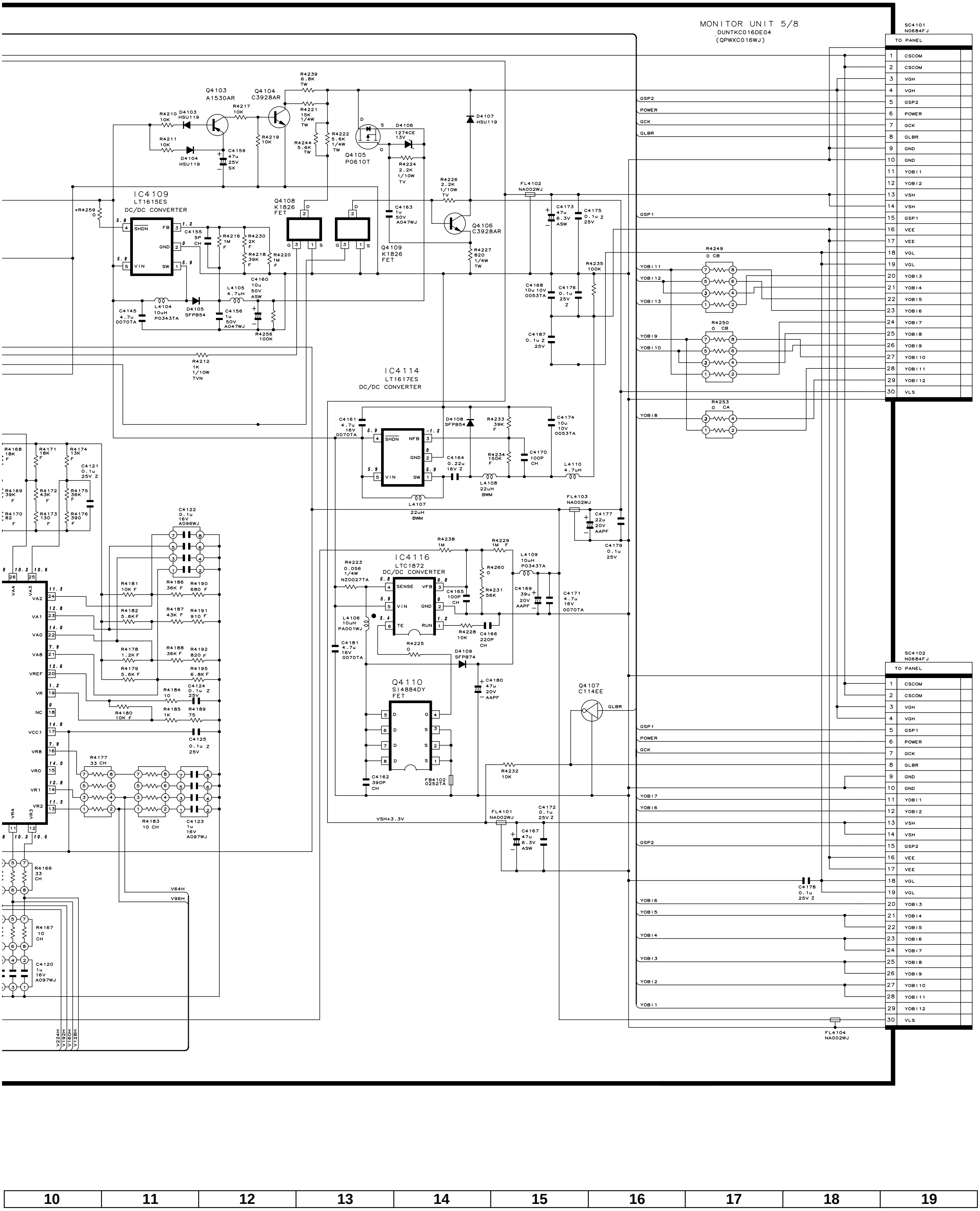
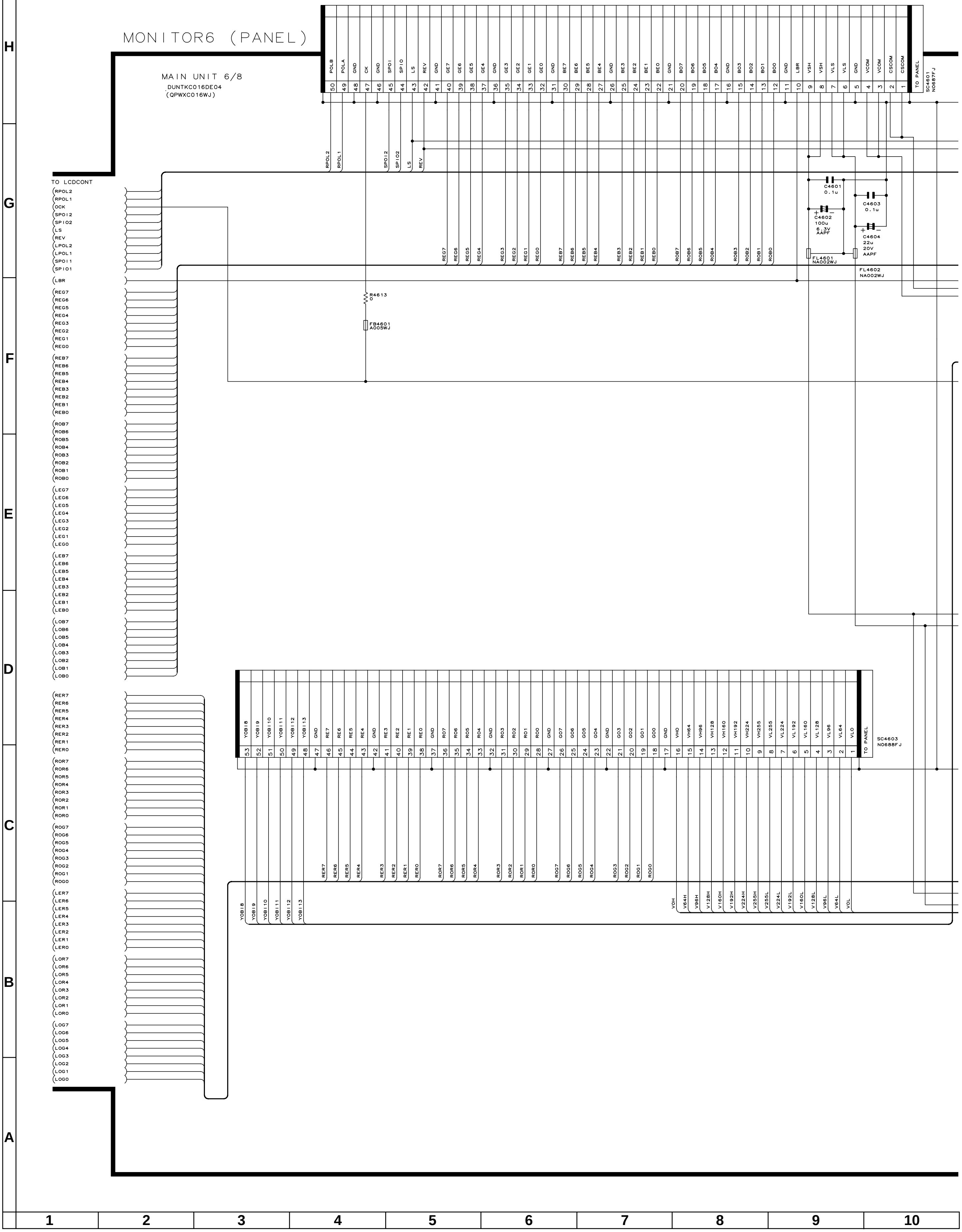
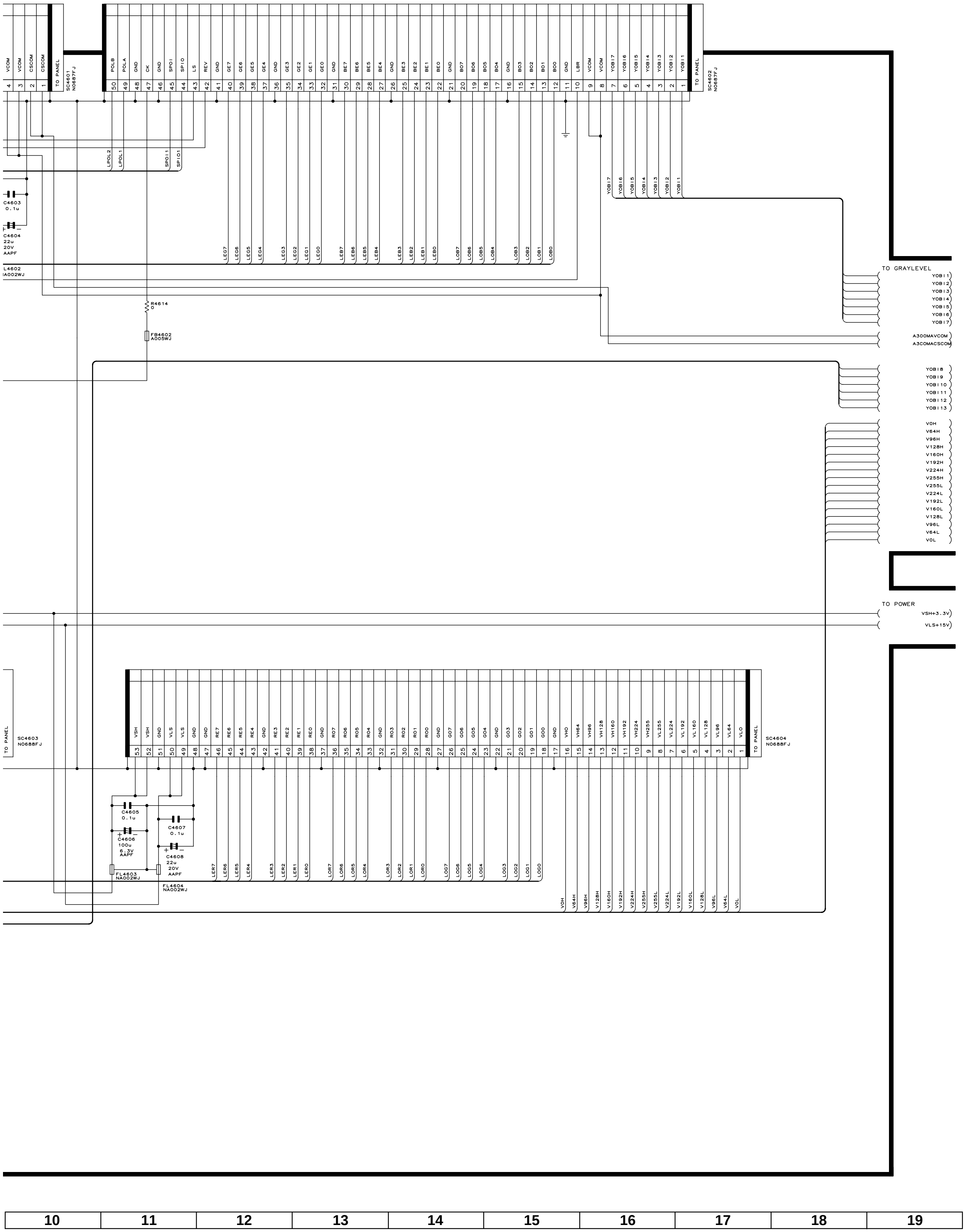
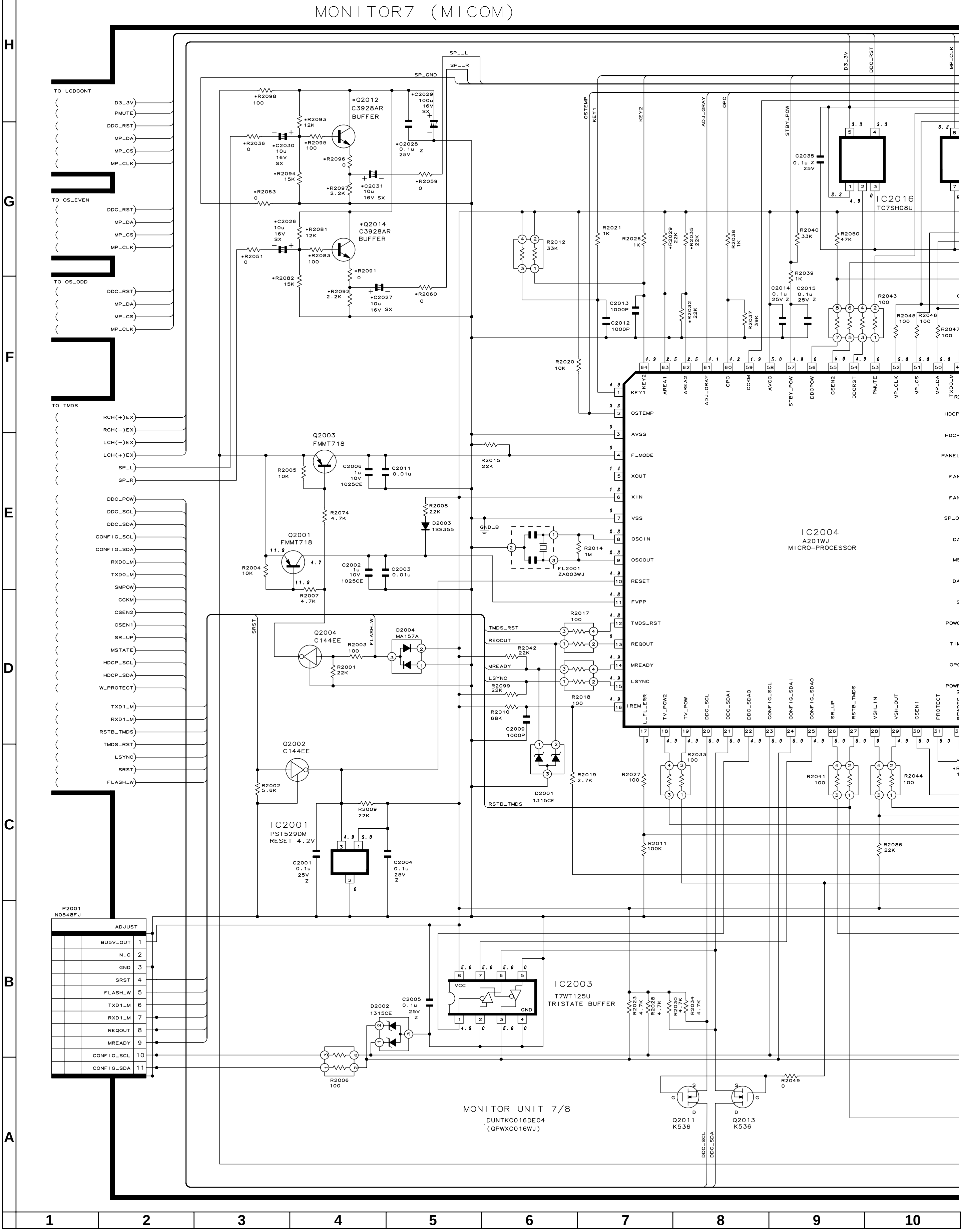

MONITOR UNIT 5/8
DUNTKC016DE04
(QPWXC016WJ)
SC4101
N0684FJ
TO PANEL
SC4102
N0684FJ
TO PANEL
CSCOM
VGH
GSP2
POWER
GCK
GLBR
GND
YOBI1
YOBI2
VSH
GSP1
VEE
VGL
YOBI3
YOBI4
YOBI5
YOBI6
YOBI7
YOBI8
YOBI9
YOBI10
YOBI11
YOBI12
VLS
IC4109
LT1615ES
DC/DC CONVERTER
IC4114
LT1617ES
DC/DC CONVERTER
IC4116
LTC1872
DC/DC CONVERTER
Q4103
A1530AR
Q4104
C3928AR
Q4105
P0610T
Q4106
C3928AR
Q4107
C114EE
Q4108
K1826
FET
Q4109
K1826
FET
Q4110
SI4884DY
FET
D4103
HSU119
D4104
HSU119
D4105
SFPB54
D4106
1274CE
13V
D4107
HSU119
D4108
SFPB54
D4109
SFPB74
FL4101
NA002WJ
FL4102
NA002WJ
FL4103
NA002WJ
FL4104
NA002WJ
FB4102
0252TA
L4104
10uH
P0343TA
L4105
4.7uH
L4106
10uH
PA001WJ
L4107
22uH
BWM
L4108
22uH
BWM
L4109
10uH
P0343TA
L4110
4.7uH
R4249
0 CB
R4250
0 CB
R4253
0 CA
SHDN
FB
GND
VIN
SW
NFB
SENSE
VFB
TE
RUN
VA4
VA3
VA2
VA1
VA0
VA8
VREF
VR
NC
VCC1
VR8
VR0
VR1
VR2
VR4
VR3
V64H
V96H
V224H
V192H
V160H
V128H
VSH+3.3V
GLBR
10
11
12
13
14
15
16
17
18
19

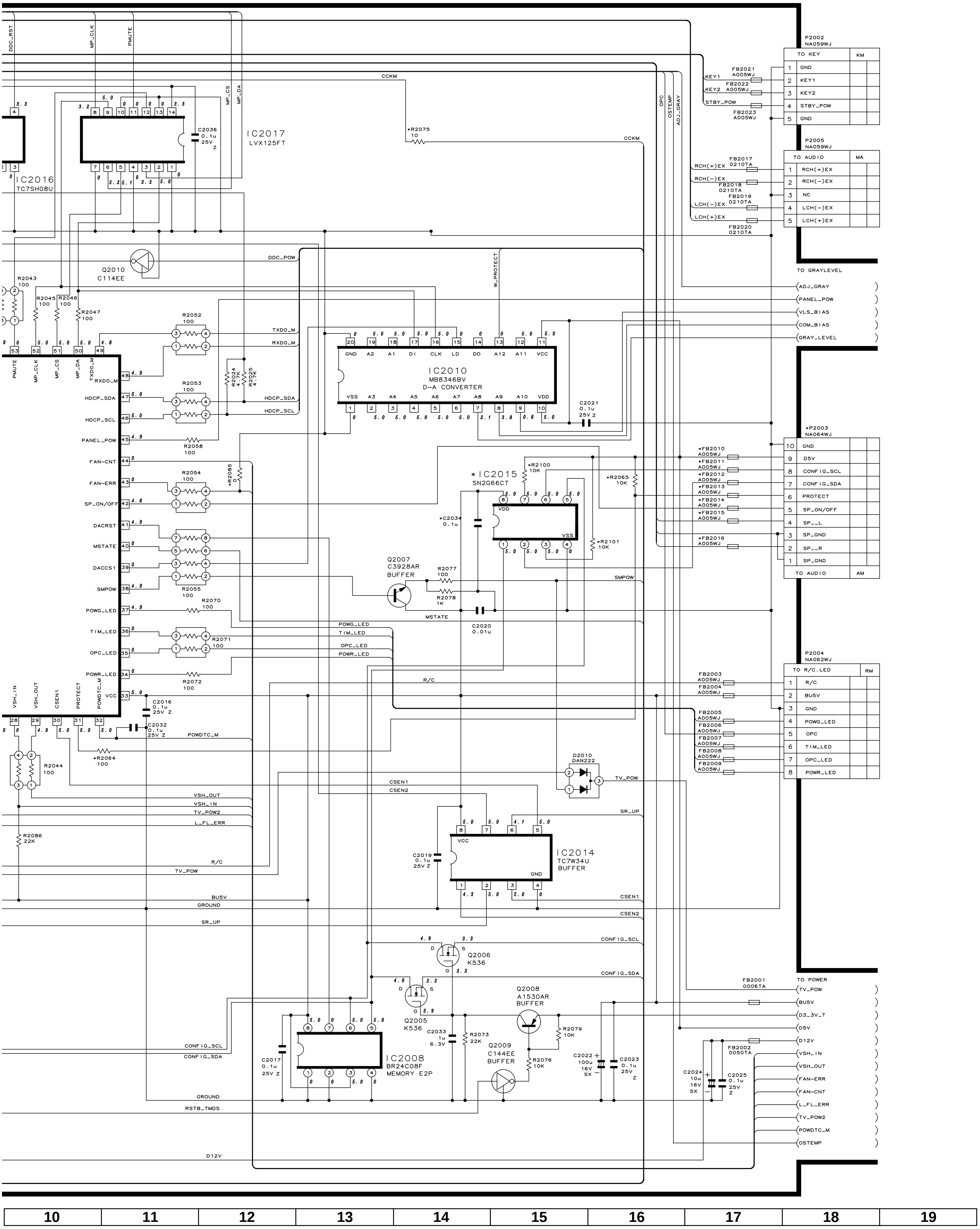
■ MONITOR Unit-6/8 (Display)


MONITOR6 (PANEL)
MAIN UNIT 6/8
DUNTKC016DE04
(QPWXC016WJ)
TO LCDCONT
RPOL2
RPOL1
OCK
SPOI2
SPIO2
LS
REV
LPOL2
LPOL1
SPOI1
SPIO1
LBR
REG7 REG6 REG5 REG4 REG3 REG2 REG1 REG0
REB7 REB6 REB5 REB4 REB3 REB2 REB1 REB0
ROB7 ROB6 ROB5 ROB4 ROB3 ROB2 ROB1 ROB0
LEG7 LEG6 LEG5 LEG4 LEG3 LEG2 LEG1 LEG0
LEB7 LEB6 LEB5 LEB4 LEB3 LEB2 LEB1 LEB0
LOB7 LOB6 LOB5 LOB4 LOB3 LOB2 LOB1 LOB0
RER7 RER6 RER5 RER4 RER3 RER2 RER1 RER0
ROR7 ROR6 ROR5 ROR4 ROR3 ROR2 ROR1 ROR0
ROG7 ROG6 ROG5 ROG4 ROG3 ROG2 ROG1 ROG0
LER7 LER6 LER5 LER4 LER3 LER2 LER1 LER0
LOR7 LOR6 LOR5 LOR4 LOR3 LOR2 LOR1 LOR0
LOG7 LOG6 LOG5 LOG4 LOG3 LOG2 LOG1 LOG0
POLB POLA GND CK GND SPOI SPIO LS REV GND GE7 GE6 GE5 GE4 GND GE3 GE2 GE1 GE0 GND BE7 BE6 BE5 BE4 GND BE3 BE2 BE1 BE0 GND BO7 BO6 BO5 BO4 GND BO3 BO2 BO1 BO0 GND LBR VSH VSH VLS VLS GND VCOM VCOM CSCOM CSCOM
50 49 48 47 46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
TO PANEL
SC4601
N0687FJ
RPOL2 RPOL1 SPOI2 SPIO2 LS REV
C4601
0.1u
C4603
0.1u
C4602
100u
6.3V
AAPF
C4604
22u
20V
AAPF
FL4601
NA002WJ
FL4602
NA002WJ
R4613
0
FB4601
A005WJ
YOBI8 YOBI9 YOBI10 YOBI11 YOBI12 YOBI13 GND RE7 RE6 RE5 RE4 GND RE3 RE2 RE1 RE0 GND RO7 RO6 RO5 RO4 GND RO3 RO2 RO1 RO0 GND GO7 GO6 GO5 GO4 GND GO3 GO2 GO1 GO0 GND VHO VH64 VH96 VH128 VH160 VH192 VH224 VH255 VL255 VL224 VL192 VL160 VL128 VL96 VL64 VLO
53 52 51 50 49 48 47 46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
TO PANEL
SC4603
N0688FJ
VOH V64H V96H V128H V160H V192H V224H V255H V255L V224L V192L V160L V128L V96L V64L VOL
H
G
F
E
D
C
B
A
1 2 3 4 5 6 7 8 9 10

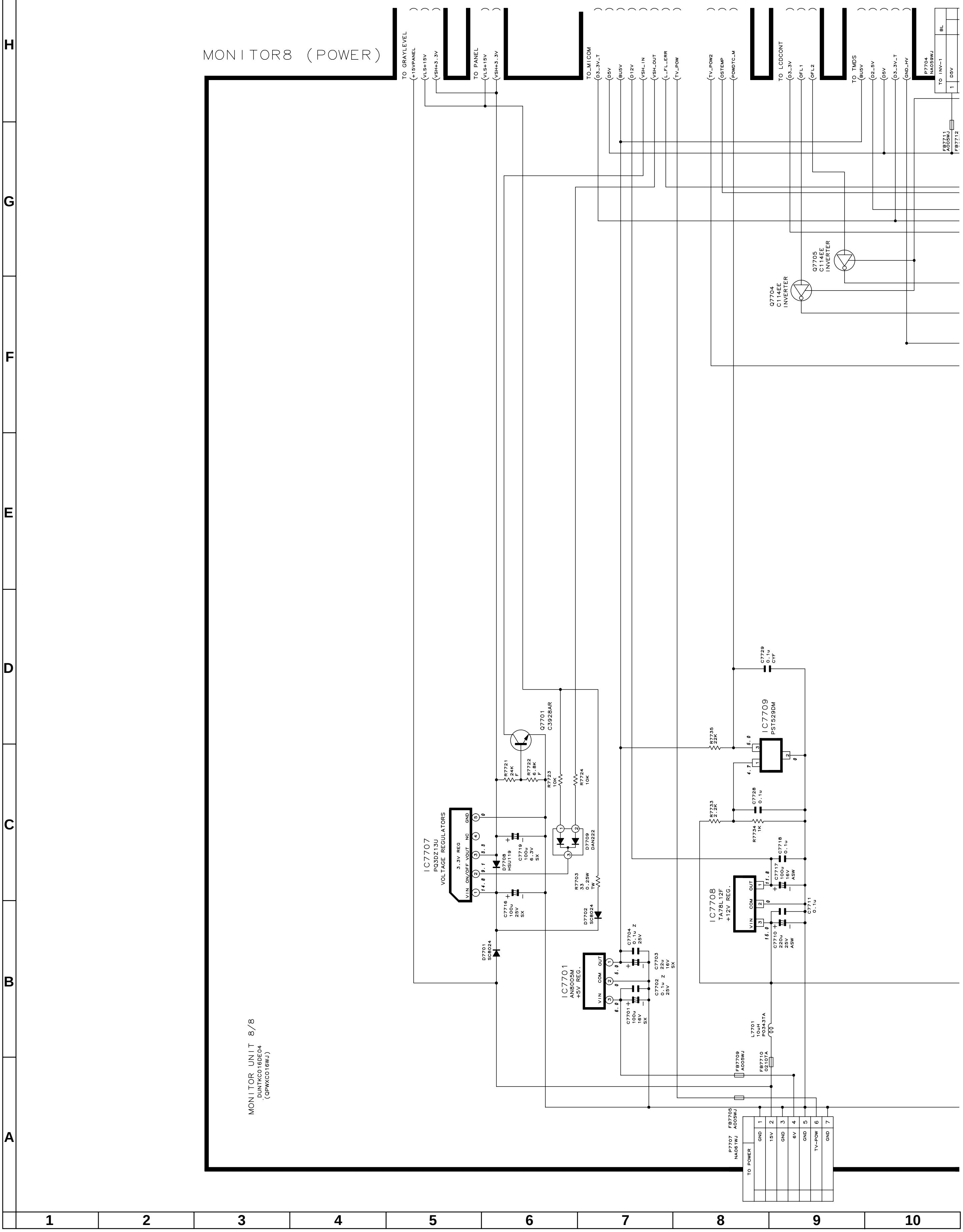

SC4601
N0687FJ
TO PANEL
VCOM
CSCOM
POLB
POLA
GND
CK
SPOI
SPIO
LS
REV
SC4602
N0687FJ
LBR
LPOL2
LPOL1
SPOI1
SPIO1
C4603
0.1u
C4604
22u
20V
AAPF
L4602
NA002WJ
R4614
0
FB4602
A005WJ
TO GRAYLEVEL
YOBI1
YOBI2
YOBI3
YOBI4
YOBI5
YOBI6
YOBI7
A300MAVCOM
A3COMACSCOM
YOBI8
YOBI9
YOBI10
YOBI11
YOBI12
YOBI13
V0H
V64H
V96H
V128H
V160H
V192H
V224H
V255H
V255L
V224L
V192L
V160L
V128L
V96L
V64L
V0L
TO POWER
VSH+3.3V
VLS+15V
SC4603
N0688FJ
SC4604
N0688FJ
VSH
VLS
C4605
0.1u
C4606
100u
6.3V
AAPF
C4607
0.1u
C4608
22u
20V
AAPF
FL4603
NA002WJ
FL4604
NA002WJ
10
11
12
13
14
15
16
17
18
19

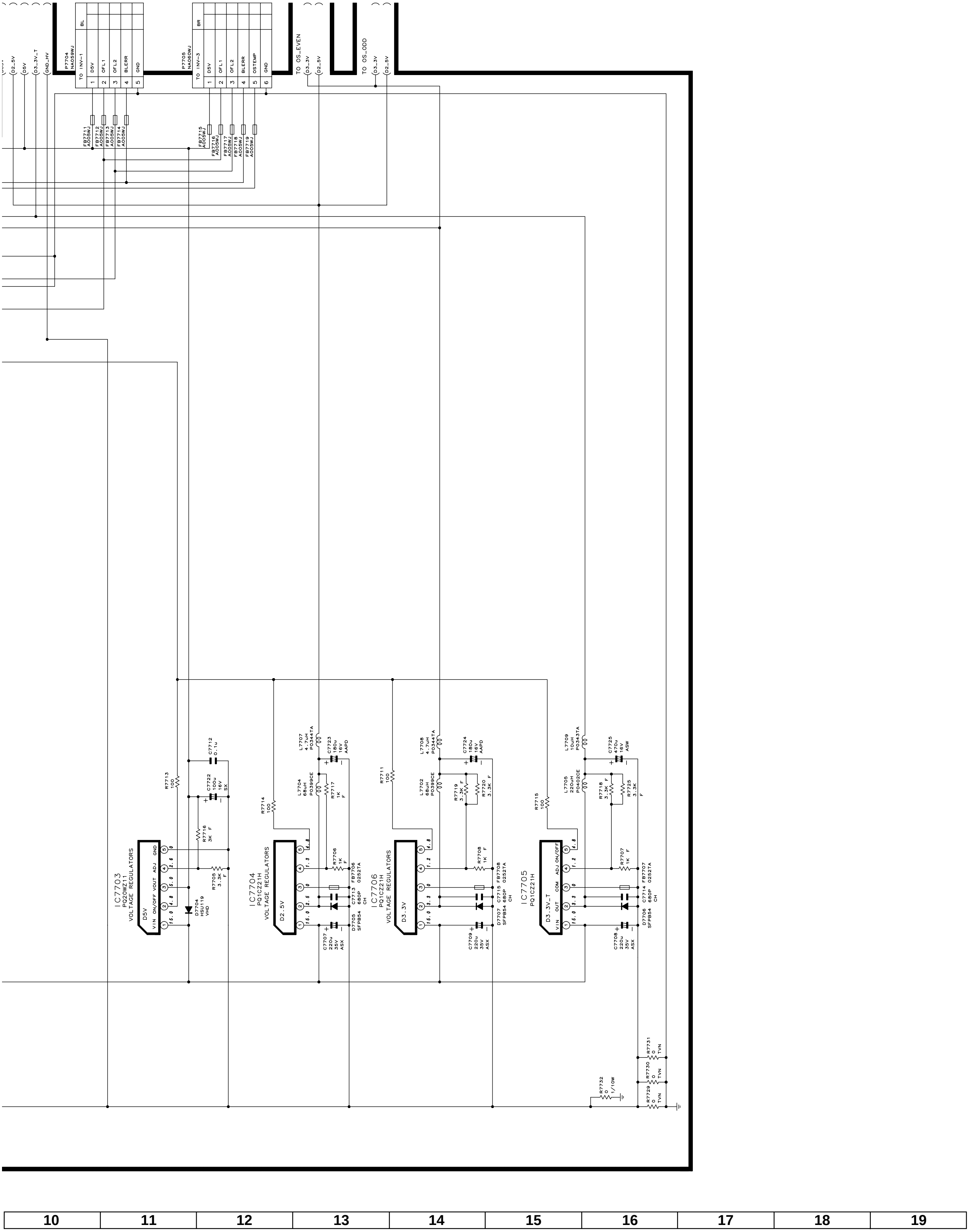
■ MONITOR Unit-7/8 (Display)


MONITOR7 (MICOM)
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
TO LCDCONT
D3_3V
PMUTE
DDC_RST
MP_DA
MP_CS
MP_CLK
TO OS_EVEN
DDC_RST
MP_DA
MP_CS
MP_CLK
TO OS_ODD
DDC_RST
MP_DA
MP_CS
MP_CLK
TO TMDS
RCH(+)EX
RCH(-)EX
LCH(-)EX
LCH(+)EX
SP_L
SP_R
DDC_POW
DDC_SCL
DDC_SDA
CONFIG_SCL
CONFIG_SDA
RXD0_M
TXD0_M
SMPOW
CCKM
CSEN2
CSEN1
SR_UP
MSTATE
HDCP_SCL
HDCP_SDA
W_PROTECT
TXD1_M
RXD1_M
RSTB_TMDS
TMDS_RST
LSYNC
SRST
FLASH_W
SP_L
SP_R
SP_GND
*Q2012
C3928AR
BUFFER
*Q2014
C3928AR
BUFFER
Q2003
FMMT718
Q2001
FMMT718
Q2004
C144EE
Q2002
C144EE
D2004
MA157A
D2003
1SS355
D2001
1315CE
D2002
1315CE
FL2001
ZA003WJ
IC2001
PST529DM
RESET 4.2V
IC2003
T7WT125U
TRISTATE BUFFER
IC2004
A201WJ
MICRO-PROCESSOR
IC2016
TC7SH08U
P2001
N0548FJ
ADJUST
BU5V_OUT 1
N.C 2
GND 3
SRST 4
FLASH_W 5
TXD1_M 6
RXD1_M 7
REQOUT 8
MREADY 9
CONFIG_SCL 10
CONFIG_SDA 11
KEY1
OSTEMP
AVSS
F_MODE
XOUT
XIN
VSS
OSCIN
OSCOUT
RESET
FVPP
TMDS_RST
REQOUT
MREADY
LSYNC
IREM
KEY2
AREA1
AREA2
ADJ_GRAY
OPC
CCKM
AVCC
STBY_POW
DDCPOW
CSEN2
DDCRST
PMUTE
MP_CLK
MP_CS
MP_DA
L_FL_ERR
TV_POW2
TV_POW
DDC_SCL
DDC_SDAI
DDC_SDAO
CONFIG_SCL
CONFIG_SDAI
CONFIG_SDAO
SR_UP
RSTB_TMDS
VSH_IN
VSH_OUT
CSEN1
PROTECT
Q2011
K536
Q2013
K536
DDC_SCL
DDC_SDA
R2006
100
R2049
0
MONITOR UNIT 7/8
DUNTKC016DE04
(QPWXC016WJ)

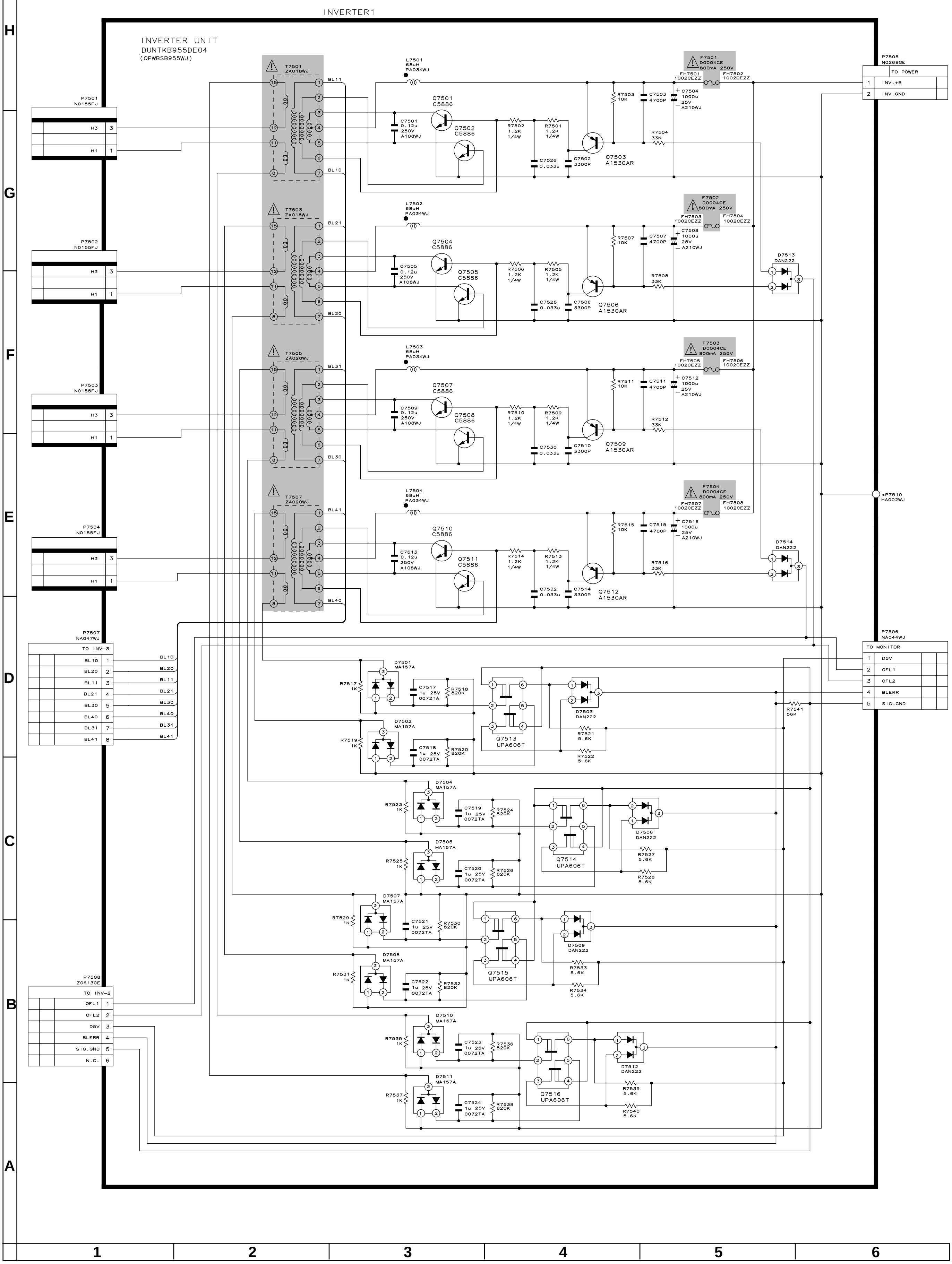

IC2016
TC7SH08U
IC2017
LVX125FT
C2036 0.1u 25V Z
Q2010
C114EE
DDC_RST
MP_CLK
PMUTE
MP_CS
MP_DA
CCKM
*R2075 10
DDC_POW
W_PROTECT
OPC
OSTEMP
ADJ_GRAY
P2002
NA059WJ
TO KEY
KM
GND
KEY1
KEY2
STBY_POW
GND
FB2021 A005WJ
FB2022 A005WJ
FB2023 A005WJ
P2005
NA059WJ
TO AUDIO
MA
RCH(+)EX
RCH(-)EX
NC
LCH(-)EX
LCH(+)EX
FB2017 0210TA
FB2018 0210TA
FB2019 0210TA
FB2020 0210TA
TO GRAYLEVEL
ADJ_GRAY
PANEL_POW
VLS_BIAS
COM_BIAS
GRAY_LEVEL
R2043 100
R2045 100
R2046 100
R2047 100
R2052 100
TXDO_M
RXDO_M
IC2010
MB8346BV
D-A CONVERTER
GND A2 A1 DI CLK LD DO A12 A11 VCC
VSS A3 A4 A5 A6 A7 A8 A9 A10 VDD
C2021 0.1u 25V Z
R2024 4.7K
R2025 4.7K
R2053 100
HDCP_SDA
HDCP_SCL
R2058 100
R2054 100
*R2085 0
R2055 100
R2070 100
R2071 100
R2072 100
PMUTE
MP_CLK
MP_CS
MP_DA
TXDO_M
RXDO_M
HDCP_SDA
HDCP_SCL
PANEL_POW
FAN-CNT
FAN-ERR
SP_ON/OFF
DACRST
MSTATE
DACCS1
SMPOW
POWG_LED
TIM_LED
OPC_LED
POWR_LED
VCC
VSH_IN
VSH_OUT
CSEN1
PROTECT
POWDTC_M
C2016 0.1u 25V Z
C2032 0.1u 25V Z
*R2064 100
R2044 100
R2086 22K
*IC2015
SN2G66CT
*R2100 10K
*R2101 10K
*C2034 0.1u
VDD
VSS
*R2065 10K
Q2007
C3928AR
BUFFER
R2077 100
R2078 1K
C2020 0.01u
MSTATE
SMPOW
*P2003
NA064WJ
TO AUDIO
AM
GND
D5V
CONFIG_SCL
CONFIG_SDA
PROTECT
SP_ON/OFF
SP__L
SP_GND
SP__R
SP_GND
*FB2010 A005WJ
*FB2011 A005WJ
*FB2012 A005WJ
*FB2013 A005WJ
*FB2014 A005WJ
*FB2015 A005WJ
*FB2016 A005WJ
P2004
NA062WJ
TO R/C.LED
RM
R/C
BU5V
GND
POWG_LED
OPC
TIM_LED
OPC_LED
POWR_LED
FB2003 A005WJ
FB2004 A005WJ
FB2005 A005WJ
FB2006 A005WJ
FB2007 A005WJ
FB2008 A005WJ
FB2009 A005WJ
D2010
DAN222
TV_POW
CSEN1
CSEN2
VSH_OUT
VSH_IN
TV_POW2
L_FL_ERR
R/C
TV_POW
BU5V
GROUND
SR_UP
IC2014
TC7W34U
BUFFER
VCC
GND
C2019 0.1u 25V Z
CSEN1
CSEN2
CONFIG_SCL
CONFIG_SDA
Q2006
K536
Q2005
K536
C2033 1u 6.3V
R2073 22K
Q2008
A1530AR
BUFFER
R2079 10K
Q2009
C144EE
BUFFER
R2076 10K
C2022 100u 16V SX
C2023 0.1u 25V Z
IC2008
BR24C08F
MEMORY E2P
C2017 0.1u 25V Z
CONFIG_SCL
CONFIG_SDA
GROUND
RSTB_TMDS
D12V
FB2001 0006TA
FB2002 0050TA
C2024 10u 16V SX
C2025 0.1u 25V Z
TO POWER
TV_POW
BU5V
D3_3V_T
D5V
D12V
VSH_IN
VSH_OUT
FAN-ERR
FAN-CNT
L_FL_ERR
TV_POW2
POWDTC_M
OSTEMP
10
11
12
13
14
15
16
17
18
19

■ MONITOR Unit-8/8 (Display)


H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
MONITOR8 (POWER)
TO GRAYLEVEL
+15VPANEL
VLS+15V
VSH+3.3V
TO PANEL
VLS+15V
VSH+3.3V
TO MICOM
D3_3V_T
D5V
BU5V
D12V
VSH_IN
VSH_OUT
L_FL_ERR
TV_POW
TV_POW2
DSTEMP
POWDTC_M
TO LCDCONT
D3_3V
DFL1
DFL2
TO TMDS
BU5V
D2_5V
D5V
D3_3V_T
GND_HV
P7704
NA059WJ
TO INV-1
BL
1
D5V
FB7711
A005WJ
FB7712
Q7705
C114EE
INVERTER
Q7704
C114EE
INVERTER
C7729
0.1u
CYF
IC7709
PST529DM
R7735
22K
Q7701
C3928AR
R7721
24K
F
R7722
6.8K
F
R7723
10K
R7724
10K
IC7707
PQ3DZ13U
VOLTAGE REGULATORS
3.3V REG
VIN
ON/OFF
VOUT
NC
GND
D7708
HSU119
C7719
100u
6.3V
SX
D7709
DAN222
R7703
33
0.25W
TW
D7702
SC8024
C7716
100u
25V
SX
D7701
SC8024
R7733
22K
C7728
0.1u
R7734
1K
C7718
0.1u
C7717
100u
16V
ASW
IC7708
TA78L12F
+12V REG.
VIN
COM
OUT
C7711
0.1u
C7710
220u
25V
ASW
C7704
0.1u Z
25V
C7703
22u
16V
SX
IC7701
AN8005M
+5V REG.
C7702
0.1u Z
25V
C7701
100u
16V
SX
L7701
10uH
P0343TA
FB7709
A005WJ
FB7710
0210TA
MONITOR UNIT 8/8
DUNTKC016DE04
(QPWXC016WJ)
P7707
NA061WJ
FB7705
A005WJ
TO POWER
GND
15V
GND
6V
GND
TV-POW
GND


D2_5V
D5V
D3_3V_T
GND_HV
P7704
NA059WJ
TO INV-1
BL
1 D5V
2 OFL1
3 OFL2
4 BLERR
5 GND
FB7711 A005WJ
FB7712 A005WJ
FB7713 A005WJ
FB7714 A005WJ
P7705
NA060WJ
TO INV-3
BR
1 D5V
2 OFL1
3 OFL2
4 BLERR
5 OSTEMP
6 GND
FB7715 A005WJ
FB7716 A005WJ
FB7717 A005WJ
FB7718 A005WJ
FB7719 A005WJ
TO OS_EVEN
D3_3V
D2_5V
TO OS_ODD
D3_3V
D2_5V
IC7703
PQ20WZ11
VOLTAGE REGULATORS
D5V
VIN ON/OFF VOUT ADJ GND
15.0 4.8 5.0 2.6 0
R7713 100
C7712 0.1u
C7722 100u 16V SX
R7716 3K F
R7705 3.3K F
D7704 HSU119 VHD
IC7704
PQ1CZ21H
VOLTAGE REGULATORS
D2.5V
15.0 2.5 0 1.3 4.8
R7714 100
L7707 4.7uH P0344TA
C7723 180u 16V AAPD
L7704 68uH P0399CE
R7717 1K F
R7706 1K F
FB7706 0252TA
C7713 680P CH
D7705 SFPB54
C7707 220u 35V ASX
IC7706
PQ1CZ21H
VOLTAGE REGULATORS
D3.3V
15.0 3.3 0 1.2 4.8
R7711 100
L7708 4.7uH P0344TA
C7724 180u 16V AAPD
L7702 68uH P0399CE
R7719 3.3K F
R7720 3.3K F
R7708 1K F
FB7708 0252TA
C7715 680P CH
D7707 SFPB54
C7709 220u 35V ASX
IC7705
PQ1CZ21H
D3.3V_T
VIN OUT COM ADJ ON/OFF
15.0 3.3 0 1.2 4.8
R7715 100
L7709 10uH P0343TA
C7725 470u 16V ASW
L7705 220uH P0402CE
R7718 3.3K F
R7725 3.3K F
R7707 1K F
FB7707 0252TA
C7714 680P CH
D7706 SFPB54
C7708 220u 35V ASX
R7732 0 1/10W
R7731 0 TVN
R7730 0 TVN
R7729 0 TVN
10
11
12
13
14
15
16
17
18
19

■ INVERTER-1 Unit (Display)


INVERTER1
INVERTER UNIT
DUNTKB955DE04
(QPWBSB955WJ)
P7501
N0155FJ
P7502
N0155FJ
P7503
N0155FJ
P7504
N0155FJ
H3 3
H1 1
T7501
ZA018WJ
T7503
ZA018WJ
T7505
ZA020WJ
T7507
ZA020WJ
BL11
BL10
BL21
BL20
BL31
BL30
BL41
BL40
L7501
68uH
PA034WJ
L7502
68uH
PA034WJ
L7503
68uH
PA034WJ
L7504
68uH
PA034WJ
Q7501
C5886
Q7502
C5886
Q7504
C5886
Q7505
C5886
Q7507
C5886
Q7508
C5886
Q7510
C5886
Q7511
C5886
C7501
0.12u
250V
A108WJ
C7505
0.12u
250V
A108WJ
C7509
0.12u
250V
A108WJ
C7513
0.12u
250V
A108WJ
R7502
1.2K
1/4W
R7501
1.2K
1/4W
R7506
1.2K
1/4W
R7505
1.2K
1/4W
R7510
1.2K
1/4W
R7509
1.2K
1/4W
R7514
1.2K
1/4W
R7513
1.2K
1/4W
C7526
0.033u
C7528
0.033u
C7530
0.033u
C7532
0.033u
C7502
3300P
C7506
3300P
C7510
3300P
C7514
3300P
Q7503
A1530AR
Q7506
A1530AR
Q7509
A1530AR
Q7512
A1530AR
R7503
10K
R7507
10K
R7511
10K
R7515
10K
C7503
4700P
C7507
4700P
C7511
4700P
C7515
4700P
C7504
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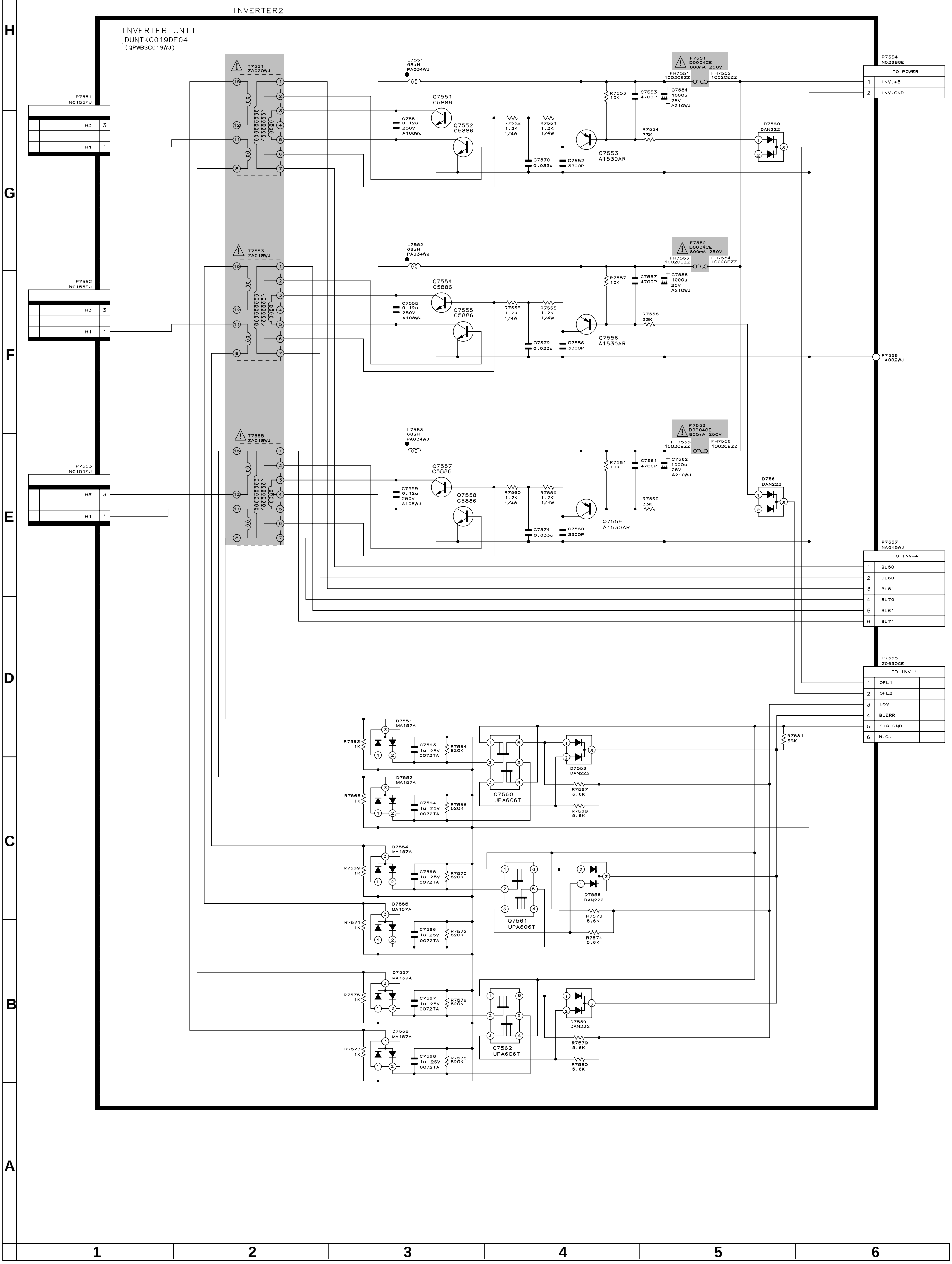
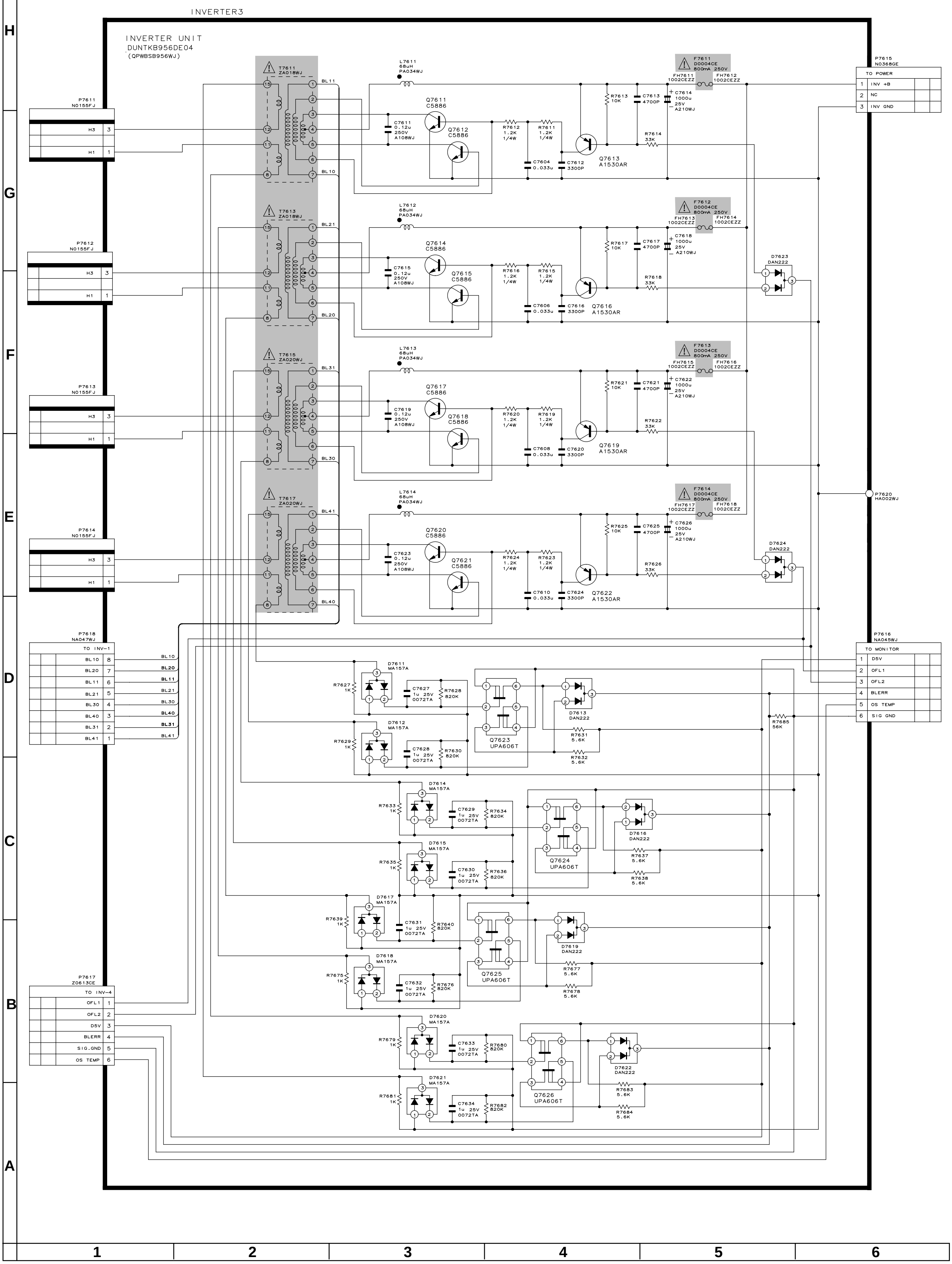
25V
A210WJ
C7508
1000u
25V
A210WJ
C7512
1000u
25V
A210WJ
C7516
1000u
25V
A210WJ
R7504
33K
R7508
33K
R7512
33K
R7516
33K
F7501
D0004CE
800mA 250V
F7502
D0004CE
800mA 250V
F7503
D0004CE
800mA 250V
F7504
D0004CE
800mA 250V
FH7501
1002CEZZ
FH7502
1002CEZZ
FH7503
1002CEZZ
FH7504
1002CEZZ
FH7505
1002CEZZ
FH7506
1002CEZZ
FH7507
1002CEZZ
FH7508
1002CEZZ
P7505
N0268GE
TO POWER
1 INV.+B
2 INV.GND
D7513
DAN222
D7514
DAN222
+P7510
HA002WJ
P7506
NA044WJ
TO MONITOR
1 D5V
2 OFL1
3 OFL2
4 BLERR
5 SIG_GND
R7541
56K
P7507
NA047WJ
TO INV-3
BL10 1
BL20 2
BL11 3
BL21 4
BL30 5
BL40 6
BL31 7
BL41 8
P7508
Z0613CE
TO INV-2
OFL1 1
OFL2 2
D5V 3
BLERR 4
SIG.GND 5
N.C. 6
D7501
MA157A
D7502
MA157A
D7504
MA157A
D7505
MA157A
D7507
MA157A
D7508
MA157A
D7510
MA157A
D7511
MA157A
R7517
1K
R7519
1K
R7523
1K
R7525
1K
R7529
1K
R7531
1K
R7535
1K
R7537
1K
C7517
1u 25V
0072TA
C7518
1u 25V
0072TA
C7519
1u 25V
0072TA
C7520
1u 25V
0072TA
C7521
1u 25V
0072TA
C7522
1u 25V
0072TA
C7523
1u 25V
0072TA
C7524
1u 25V
0072TA
R7518
820K
R7520
820K
R7524
820K
R7526
820K
R7530
820K
R7532
820K
R7536
820K
R7538
820K
Q7513
UPA606T
Q7514
UPA606T
Q7515
UPA606T
Q7516
UPA606T
D7503
DAN222
D7506
DAN222
D7509
DAN222
D7512
DAN222
R7521
5.6K
R7522
5.6K
R7527
5.6K
R7528
5.6K
R7533
5.6K
R7534
5.6K
R7539
5.6K
R7540
5.6K
H
G
F
E
D
C
B
A
1
2
3
4
5
6

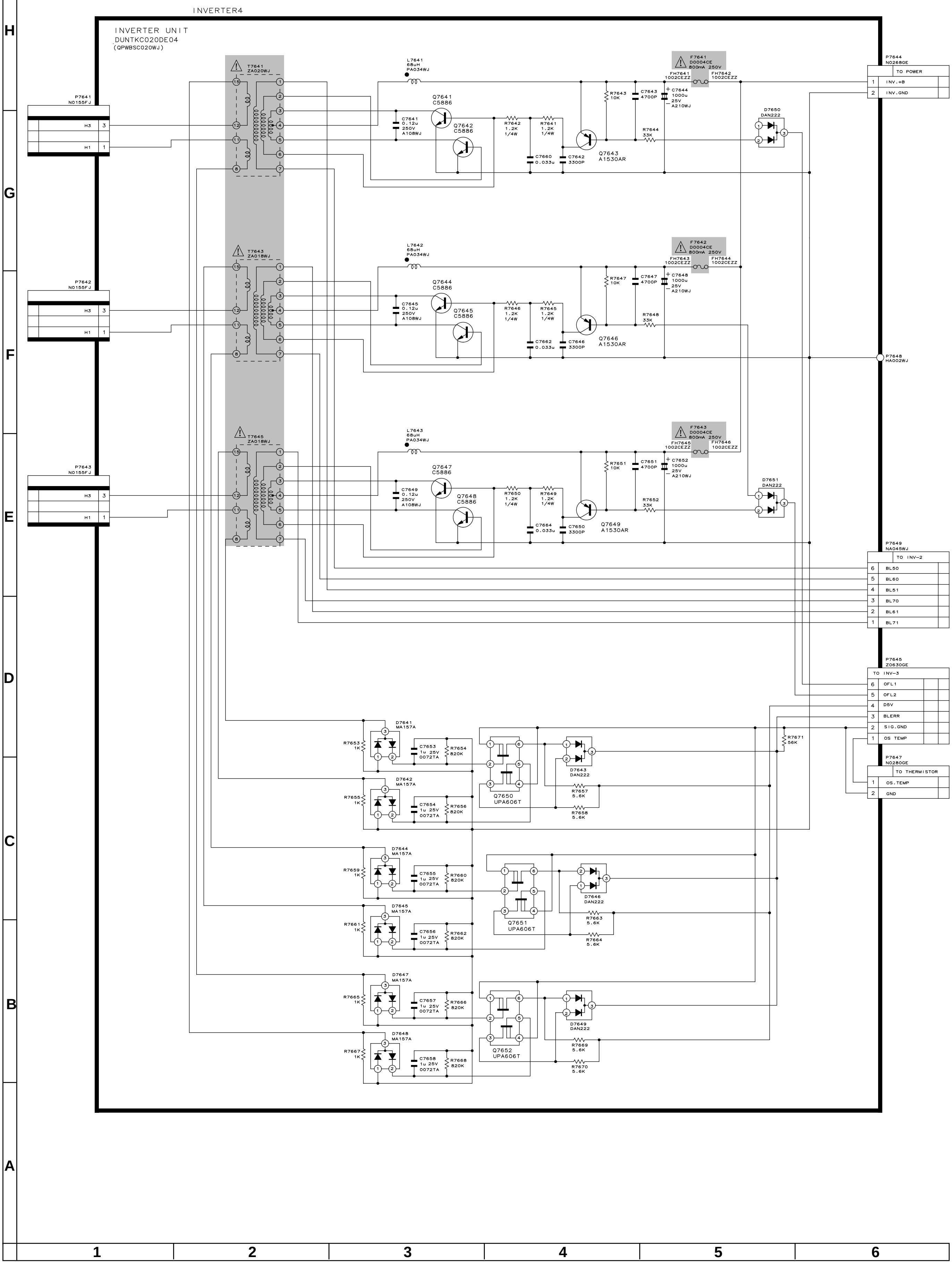
■ INVERTER-2 Unit (Display)


INVERTER2
INVERTER UNIT
DUNTKC019DE04
(QPWBSC019WJ)
P7551
N0155FJ
H3 3
H1 1
P7552
N0155FJ
H3 3
H1 1
P7553
N0155FJ
H3 3
H1 1
T7551
ZA020WJ
T7553
ZA018WJ
T7555
ZA018WJ
L7551
68uH
PA034WJ
L7552
68uH
PA034WJ
L7553
68uH
PA034WJ
Q7551
C5886
Q7552
C5886
C7551
0.12u
250V
A108WJ
R7552
1.2K
1/4W
R7551
1.2K
1/4W
C7570
0.033u
C7552
3300P
Q7553
A1530AR
R7553
10K
C7553
4700P
C7554
1000u
25V
A210WJ
R7554
33K
F7551
D0004CE
800mA 250V
FH7551
1002CEZZ
FH7552
1002CEZZ
D7560
DAN222
Q7554
C5886
Q7555
C5886
C7555
0.12u
250V
A108WJ
R7556
1.2K
1/4W
R7555
1.2K
1/4W
C7572
0.033u
C7556
3300P
Q7556
A1530AR
R7557
10K
C7557
4700P
C7558
1000u
25V
A210WJ
R7558
33K
F7552
D0004CE
800mA 250V
FH7553
1002CEZZ
FH7554
1002CEZZ
P7556
HA002WJ
Q7557
C5886
Q7558
C5886
C7559
0.12u
250V
A108WJ
R7560
1.2K
1/4W
R7559
1.2K
1/4W
C7574
0.033u
C7560
3300P
Q7559
A1530AR
R7561
10K
C7561
4700P
C7562
1000u
25V
A210WJ
R7562
33K
F7553
D0004CE
800mA 250V
FH7555
1002CEZZ
FH7556
1002CEZZ
D7561
DAN222
P7554
N0268GE
TO POWER
1 INV.+B
2 INV.GND
P7557
NA045WJ
TO INV-4
1 BL50
2 BL60
3 BL51
4 BL70
5 BL61
6 BL71
P7555
Z0630GE
TO INV-1
1 OFL1
2 OFL2
3 D5V
4 BLERR
5 SIG.GND
6 N.C.
D7551
MA157A
R7563
1K
C7563
1u 25V
0072TA
R7564
820K
D7552
MA157A
R7565
1K
C7564
1u 25V
0072TA
R7566
820K
Q7560
UPA606T
D7553
DAN222
R7567
5.6K
R7568
5.6K
R7581
56K
D7554
MA157A
R7569
1K
C7565
1u 25V
0072TA
R7570
820K
D7555
MA157A
R7571
1K
C7566
1u 25V
0072TA
R7572
820K
Q7561
UPA606T
D7556
DAN222
R7573
5.6K
R7574
5.6K
D7557
MA157A
R7575
1K
C7567
1u 25V
0072TA
R7576
820K
D7558
MA157A
R7577
1K
C7568
1u 25V
0072TA
R7578
820K
Q7562
UPA606T
D7559
DAN222
R7579
5.6K
R7580
5.6K
H
G
F
E
D
C
B
A
1
2
3
4
5
6

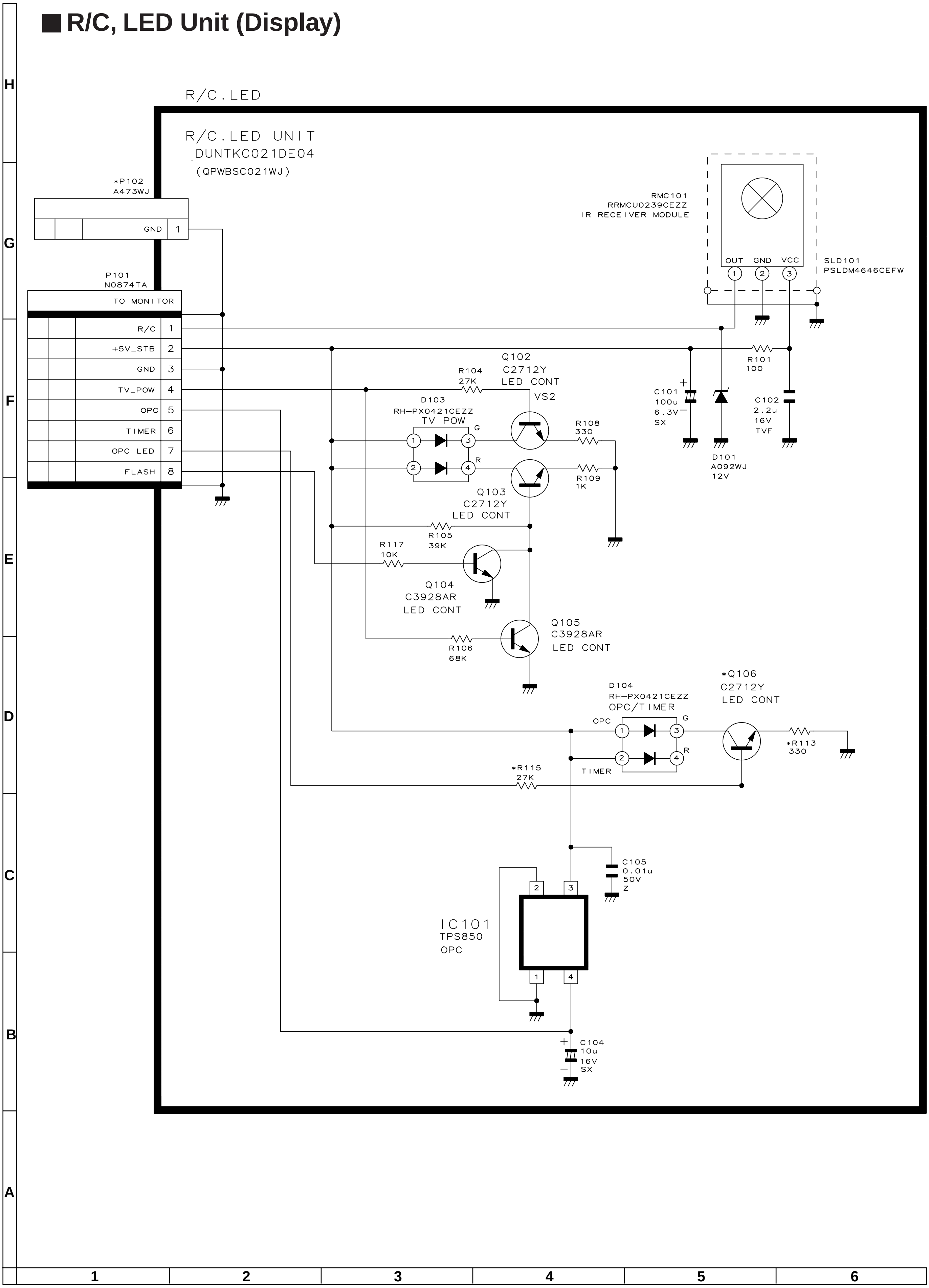
■ INVERTER-3 Unit (Display)


INVERTER3
INVERTER UNIT
DUNTKB956DE04
(QPWBSB956WJ)
H
G
F
E
D
C
B
A
1
2
3
4
5
6
P7611
NO155FJ
P7612
NO155FJ
P7613
NO155FJ
P7614
NO155FJ
H3
H1
T7611
ZA018WJ
T7613
ZA018WJ
T7615
ZA020WJ
T7617
ZA020WJ
BL11
BL10
BL21
BL20
BL31
BL30
BL41
BL40
L7611
68uH
PA034WJ
L7612
68uH
PA034WJ
L7613
68uH
PA034WJ
L7614
68uH
PA034WJ
Q7611
C5886
Q7612
C5886
Q7613
A1530AR
Q7614
C5886
Q7615
C5886
Q7616
A1530AR
Q7617
C5886
Q7618
C5886
Q7619
A1530AR
Q7620
C5886
Q7621
C5886
Q7622
A1530AR
C7611
0.12u
250V
A108WJ
C7615
0.12u
250V
A108WJ
C7619
0.12u
250V
A108WJ
C7623
0.12u
250V
A108WJ
R7612
1.2K
1/4W
R7611
1.2K
1/4W
R7616
1.2K
1/4W
R7615
1.2K
1/4W
R7620
1.2K
1/4W
R7619
1.2K
1/4W
R7624
1.2K
1/4W
R7623
1.2K
1/4W
C7604
0.033u
C7612
3300P
C7606
0.033u
C7616
3300P
C7608
0.033u
C7620
3300P
C7610
0.033u
C7624
3300P
R7613
10K
R7617
10K
R7621
10K
R7625
10K
C7613
4700P
C7617
4700P
C7621
4700P
C7625
4700P
C7614
1000u
25V
A210WJ
C7618
1000u
25V
A210WJ
C7622
1000u
25V
A210WJ
C7626
1000u
25V
A210WJ
R7614
33K
R7618
33K
R7622
33K
R7626
33K
F7611
D0004CE
800mA 250V
FH7611
1002CEZZ
FH7612
1002CEZZ
F7612
D0004CE
800mA 250V
FH7613
1002CEZZ
FH7614
1002CEZZ
F7613
D0004CE
800mA 250V
FH7615
1002CEZZ
FH7616
1002CEZZ
F7614
D0004CE
800mA 250V
FH7617
1002CEZZ
FH7618
1002CEZZ
P7615
NO368GE
TO POWER
1 INV +B
2 NC
3 INV GND
D7623
DAN222
D7624
DAN222
P7620
HA002WJ
P7616
NA045WJ
TO MONITOR
1 D5V
2 OFL1
3 OFL2
4 BLERR
5 OS TEMP
6 SIG GND
R7685
56K
P7618
NA047WJ
TO INV-1
BL10 8
BL20 7
BL11 6
BL21 5
BL30 4
BL40 3
BL31 2
BL41 1
D7611
MA157A
D7612
MA157A
D7614
MA157A
D7615
MA157A
D7617
MA157A
D7618
MA157A
D7620
MA157A
D7621
MA157A
R7627
1K
R7629
1K
R7633
1K
R7635
1K
R7639
1K
R7675
1K
R7679
1K
R7681
1K
C7627
1u 25V
0072TA
C7628
1u 25V
0072TA
C7629
1u 25V
0072TA
C7630
1u 25V
0072TA
C7631
1u 25V
0072TA
C7632
1u 25V
0072TA
C7633
1u 25V
0072TA
C7634
1u 25V
0072TA
R7628
820K
R7630
820K
R7634
820K
R7636
820K
R7640
820K
R7676
820K
R7680
820K
R7682
820K
Q7623
UPA606T
Q7624
UPA606T
Q7625
UPA606T
Q7626
UPA606T
D7613
DAN222
D7616
DAN222
D7619
DAN222
D7622
DAN222
R7631
5.6K
R7632
5.6K
R7637
5.6K
R7638
5.6K
R7677
5.6K
R7678
5.6K
R7683
5.6K
R7684
5.6K
P7617
Z0613CE
TO INV-4
OFL1 1
OFL2 2
D5V 3
BLERR 4
SIG.GND 5
OS TEMP 6

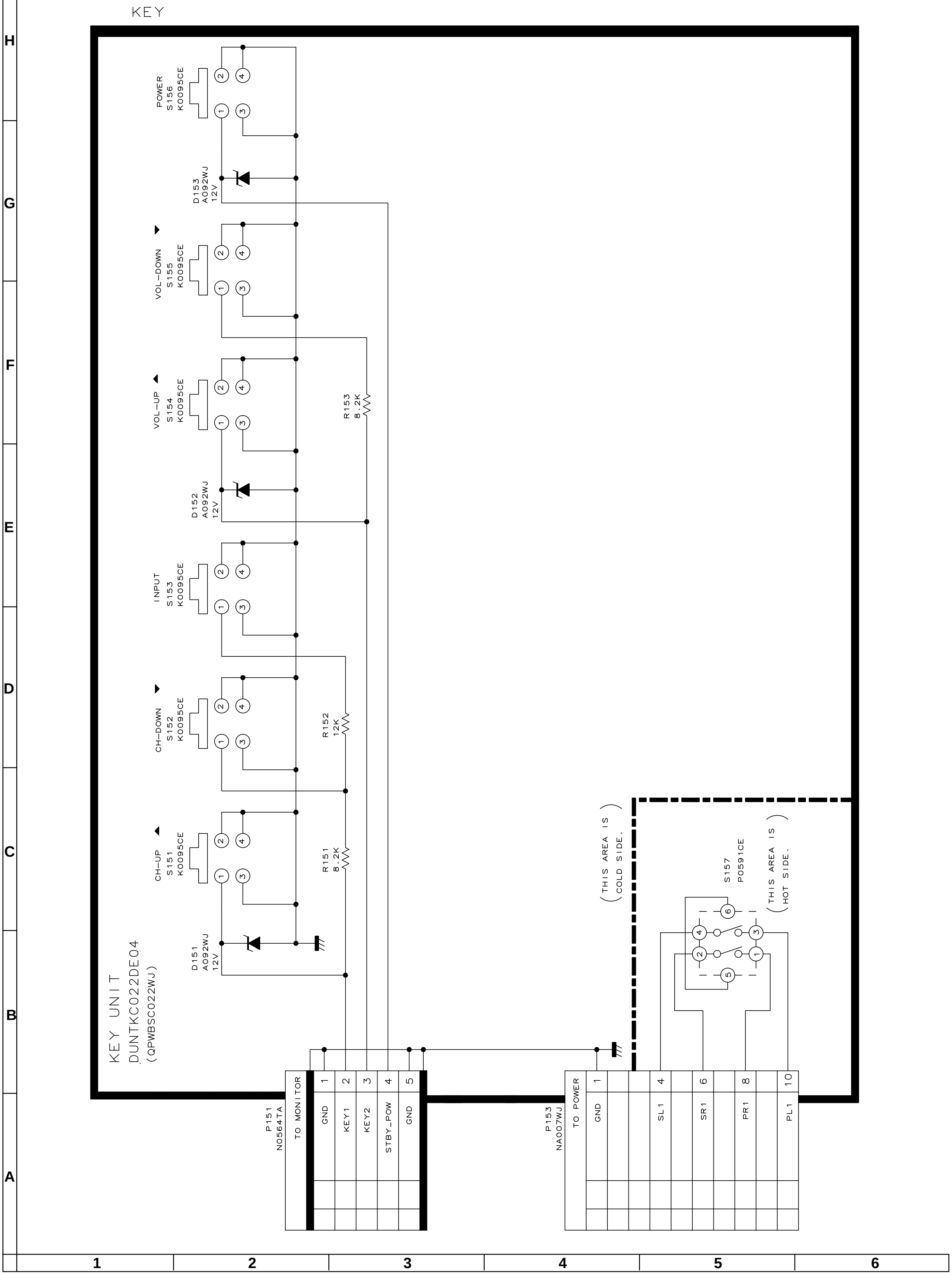
INVERTER-4 Unit (Display)


INVERTER4
INVERTER UNIT
DUNTKC020DE04
(QPWBSC020WJ)
P7641
N0155FJ
H3 3
H1 1
T7641
ZA020WJ
L7641
68uH
PA034WJ
Q7641
C5886
C7641
0.12u
250V
A108WJ
Q7642
C5886
R7642
1.2K
1/4W
R7641
1.2K
1/4W
C7660
0.033u
C7642
3300P
Q7643
A1530AR
R7643
10K
C7643
4700P
C7644
1000u
25V
A210WJ
F7641
D0004CE
800mA 250V
FH7641
1002CEZZ
FH7642
1002CEZZ
R7644
33K
D7650
DAN222
P7644
N0268GE
TO POWER
1 INV.+B
2 INV.GND
P7642
N0155FJ
H3 3
H1 1
T7643
ZA018WJ
L7642
68uH
PA034WJ
Q7644
C5886
C7645
0.12u
250V
A108WJ
Q7645
C5886
R7646
1.2K
1/4W
R7645
1.2K
1/4W
C7662
0.033u
C7646
3300P
Q7646
A1530AR
R7647
10K
C7647
4700P
C7648
1000u
25V
A210WJ
F7642
D0004CE
800mA 250V
FH7643
1002CEZZ
FH7644
1002CEZZ
R7648
33K
P7648
HA002WJ
P7643
N0155FJ
H3 3
H1 1
T7645
ZA018WJ
L7643
68uH
PA034WJ
Q7647
C5886
C7649
0.12u
250V
A108WJ
Q7648
C5886
R7650
1.2K
1/4W
R7649
1.2K
1/4W
C7664
0.033u
C7650
3300P
Q7649
A1530AR
R7651
10K
C7651
4700P
C7652
1000u
25V
A210WJ
F7643
D0004CE
800mA 250V
FH7645
1002CEZZ
FH7646
1002CEZZ
R7652
33K
D7651
DAN222
P7649
NA045WJ
TO INV-2
6 BL50
5 BL60
4 BL51
3 BL70
2 BL61
1 BL71
P7645
Z0630GE
TO INV-3
6 OFL1
5 OFL2
4 D5V
3 BLERR
2 SIG.GND
1 OS TEMP
P7647
N0280GE
TO THERMISTOR
1 OS.TEMP
2 GND
D7641
MA157A
R7653
1K
C7653
1u 25V
0072TA
R7654
820K
D7642
MA157A
R7655
1K
C7654
1u 25V
0072TA
R7656
820K
Q7650
UPA606T
D7643
DAN222
R7657
5.6K
R7658
5.6K
R7671
56K
D7644
MA157A
R7659
1K
C7655
1u 25V
0072TA
R7660
820K
D7645
MA157A
R7661
1K
C7656
1u 25V
0072TA
R7662
820K
Q7651
UPA606T
D7646
DAN222
R7663
5.6K
R7664
5.6K
D7647
MA157A
R7665
1K
C7657
1u 25V
0072TA
R7666
820K
D7648
MA157A
R7667
1K
C7658
1u 25V
0072TA
R7668
820K
Q7652
UPA606T
D7649
DAN222
R7669
5.6K
R7670
5.6K
H
G
F
E
D
C
B
A
1
2
3
4
5
6

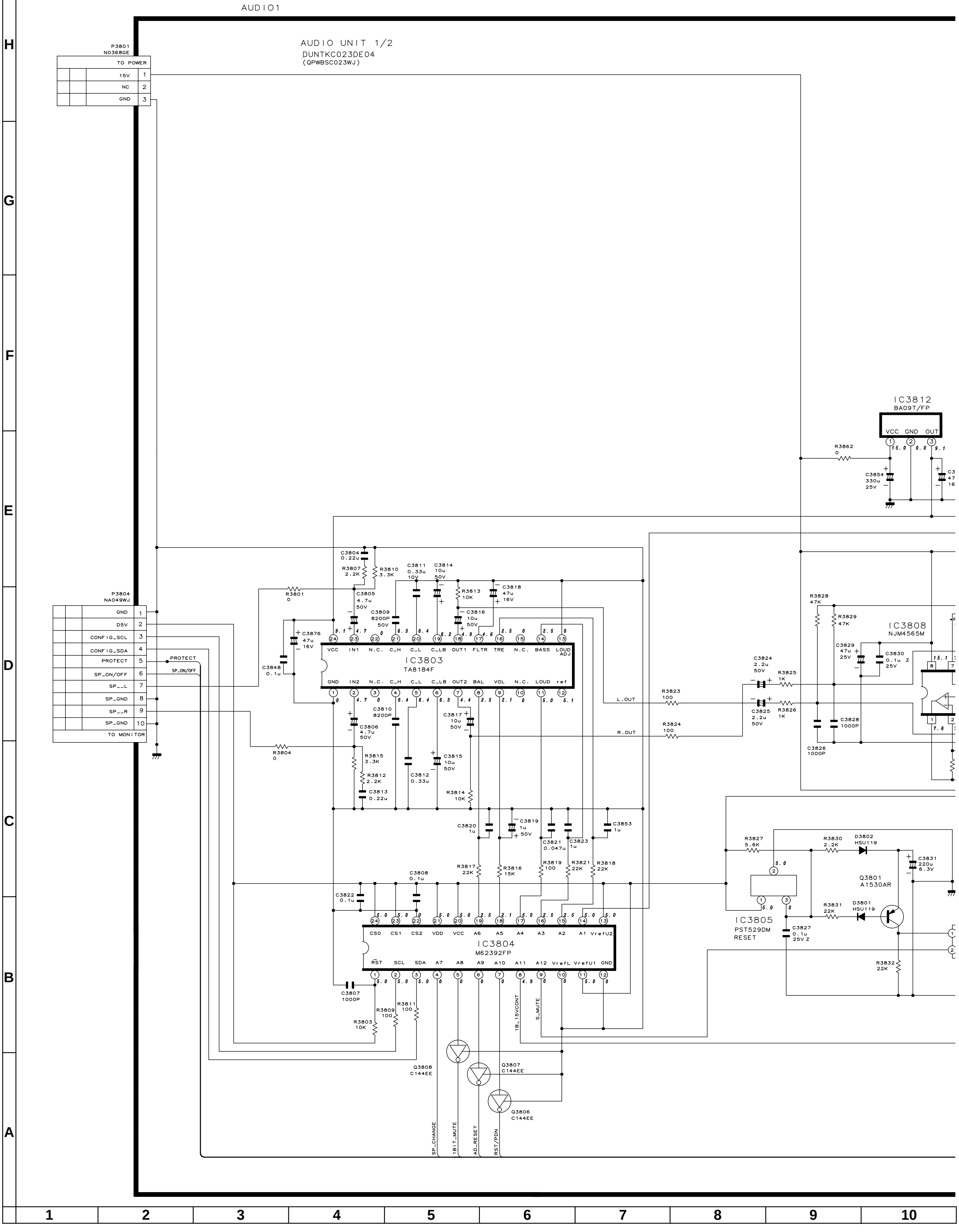
■ R/C, LED Unit (Display)

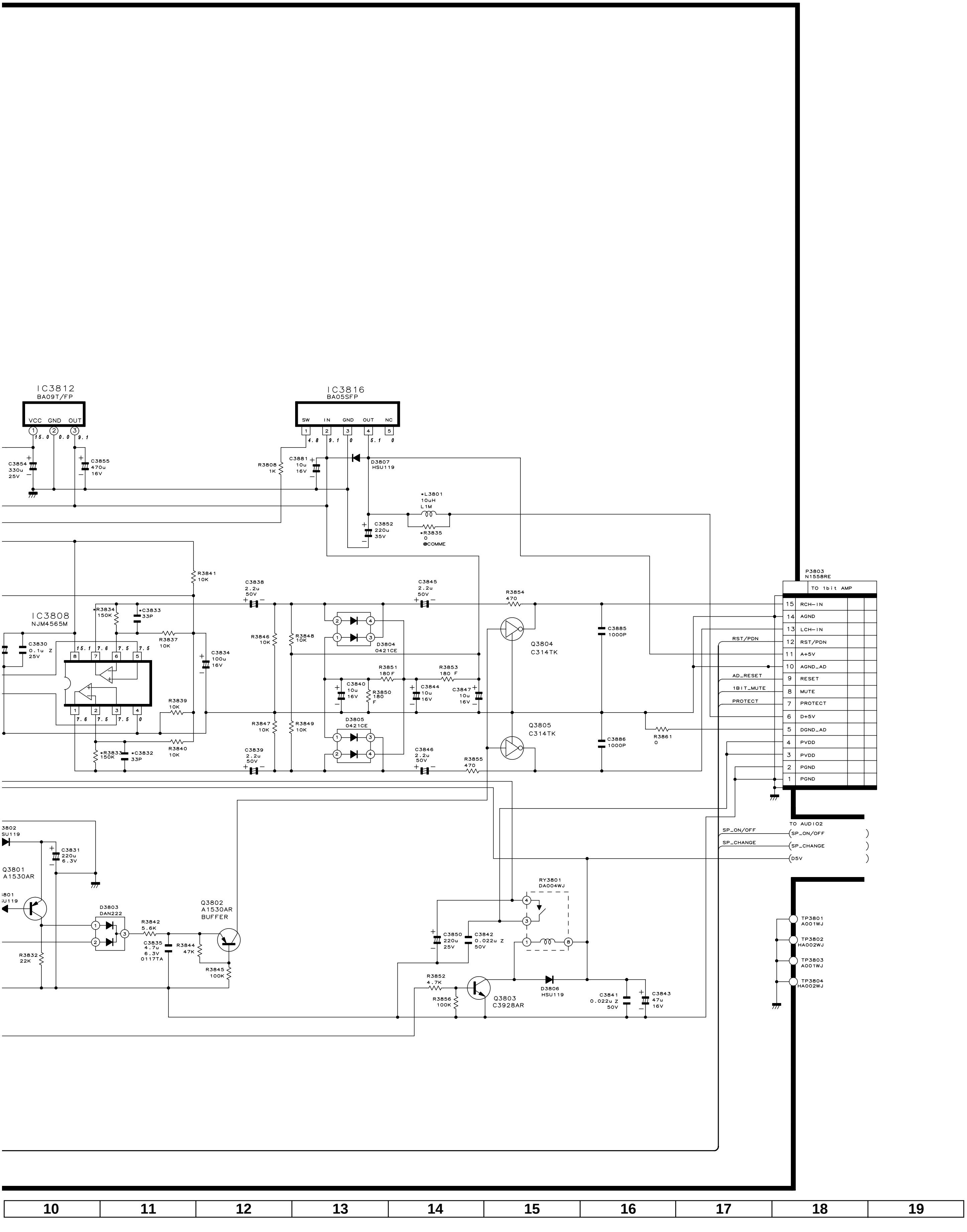

R/C.LED
R/C.LED UNIT
DUNTKC021DE04
(QPWBSC021WJ)
*P102
A473WJ
GND 1
P101
N0874TA
TO MONITOR
R/C 1
+5V_STB 2
GND 3
TV_POW 4
OPC 5
TIMER 6
OPC LED 7
FLASH 8
RMC101
RRMCU0239CEZZ
IR RECEIVER MODULE
OUT GND VCC
1 2 3
SLD101
PSLDM4646CEFW
R101
100
C101
100u
6.3V
SX
D101
A092WJ
12V
C102
2.2u
16V
TVF
Q102
C2712Y
LED CONT
VS2
R104
27K
D103
RH-PX0421CEZZ
TV POW
G
R
R108
330
R109
1K
Q103
C2712Y
LED CONT
R105
39K
R117
10K
Q104
C3928AR
LED CONT
Q105
C3928AR
LED CONT
R106
68K
D104
RH-PX0421CEZZ
OPC/TIMER
OPC
TIMER
*Q106
C2712Y
LED CONT
*R113
330
*R115
27K
C105
0.01u
50V
Z
IC101
TPS850
OPC
C104
10u
16V
SX
H
G
F
E
D
C
B
A
1
2
3
4
5
6

■ KEY Unit (Display)

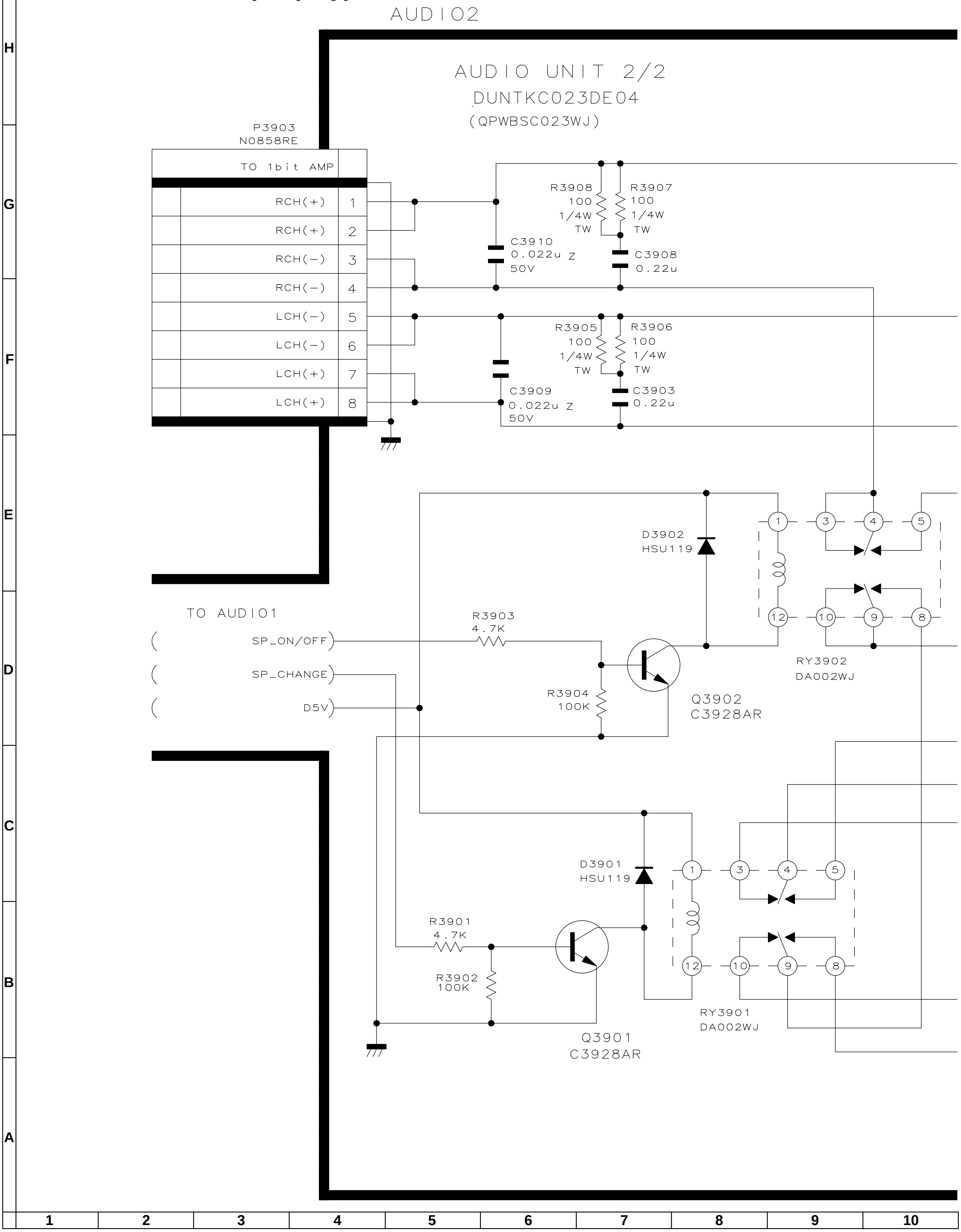

KEY
KEY UNIT
DUNTKC022DE04
(QPWBSC022WJ)
POWER
S156
K0095CE
D153
A092WJ
12V
VOL-DOWN
S155
K0095CE
VOL-UP
S154
K0095CE
D152
A092WJ
12V
INPUT
S153
K0095CE
CH-DOWN
S152
K0095CE
CH-UP
S151
K0095CE
D151
A092WJ
12V
R153
8.2K
R152
12K
R151
8.2K
P151
N0564TA
TO MONITOR
1 GND
2 KEY1
3 KEY2
4 STBY_POW
5 GND
P153
NA007WJ
TO POWER
1 GND
4 SL1
6 SR1
8 PR1
10 PL1
(THIS AREA IS COLD SIDE.)
(THIS AREA IS HOT SIDE.)
S157
P0591CE
H
G
F
E
D
C
B
A
1
2
3
4
5
6

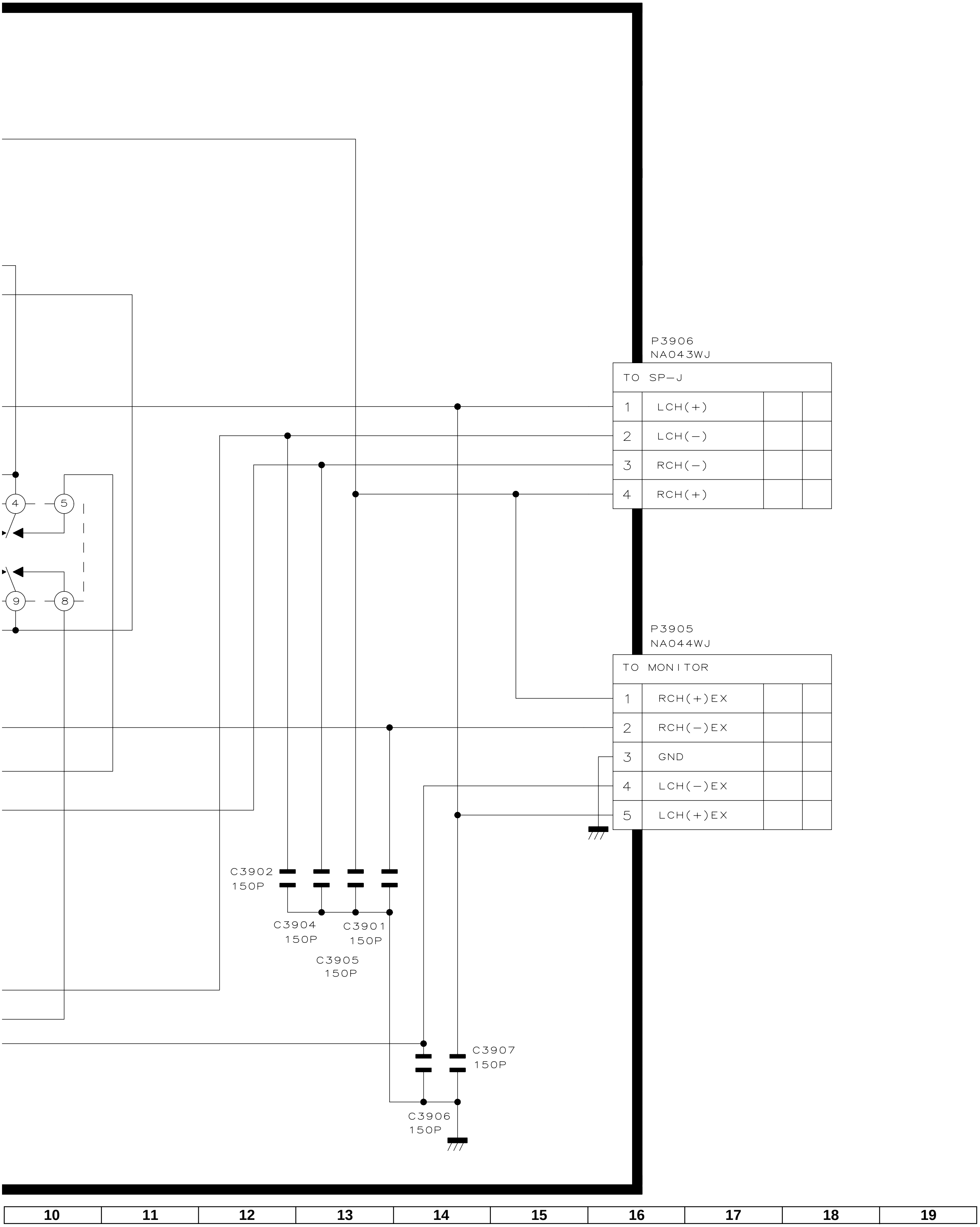
■ AUDIO Unit-1/2 (Display)


AUDIO1
AUDIO UNIT 1/2
DUNTKC023DE04
(QPWBSC023WJ)
P3801
NO368GE
TO POWER
15V 1
NC 2
GND 3
P3804
NA049WJ
GND 1
D5V 2
CONFIG_SCL 3
CONFIG_SDA 4
PROTECT 5
SP_ON/OFF 6
SP__L 7
SP_GND 8
SP__R 9
SP_GND 10
TO MONITOR
PROTECT
SP_ON/OFF
IC3803
TA8184F
VCC IN1 N.C. C_H C_L C_LB OUT1 FLTR TRE N.C. BASS LOUD ADJ
GND IN2 N.C. C_H C_L C_LB OUT2 BAL VOL N.C. LOUD ref
IC3804
M62392FP
CS0 CS1 CS2 VDD VCC A6 A5 A4 A3 A2 A1 VrefU2
RST SCL SDA A7 A8 A9 A10 A11 A12 VrefL VrefU1 GND
IC3812
BA09T/FP
VCC GND OUT
IC3808
NJM4565M
IC3805
PST529DM
RESET
Q3801
A1530AR
Q3806
C144EE
Q3807
C144EE
Q3808
C144EE
D3801
HSU119
D3802
HSU119
R3801 0
R3804 0
R3807 2.2K
R3810 3.3K
R3813 10K
R3815 3.3K
R3812 2.2K
R3814 10K
R3816 15K
R3817 22K
R3819 100
R3821 22K
R3818 22K
R3803 10K
R3809 100
R3811 100
R3823 100
R3824 100
R3825 1K
R3826 1K
R3827 5.6K
R3828 47K
R3829 47K
R3830 2.2K
R3831 22K
R3832 22K
R3862 0
C3804 0.22u
C3805 4.7u 50V
C3806 4.7u 50V
C3807 1000P
C3808 0.1u
C3809 8200P 50V
C3810 8200P
C3811 0.33u 10V
C3812 0.33u
C3813 0.22u
C3814 10u 50V
C3815 10u 50V
C3816 10u 50V
C3817 10u 50V
C3818 47u 16V
C3819 1u 50V
C3820 1u
C3821 0.047u
C3822 0.1u
C3823 1u
C3824 2.2u 50V
C3825 2.2u 50V
C3826 1000P
C3827 0.1u 25V Z
C3828 1000P
C3829 47u 25V
C3830 0.1u Z 25V
C3831 220u 6.3V
C3848 0.1u
C3853 1u
C3854 330u 25V
C3876 47u 16V
L.OUT
R.OUT
18_15VCONT
S_MUTE
SP_CHANGE
1BIT_MUTE
AD_RESET
RST/PDN
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10

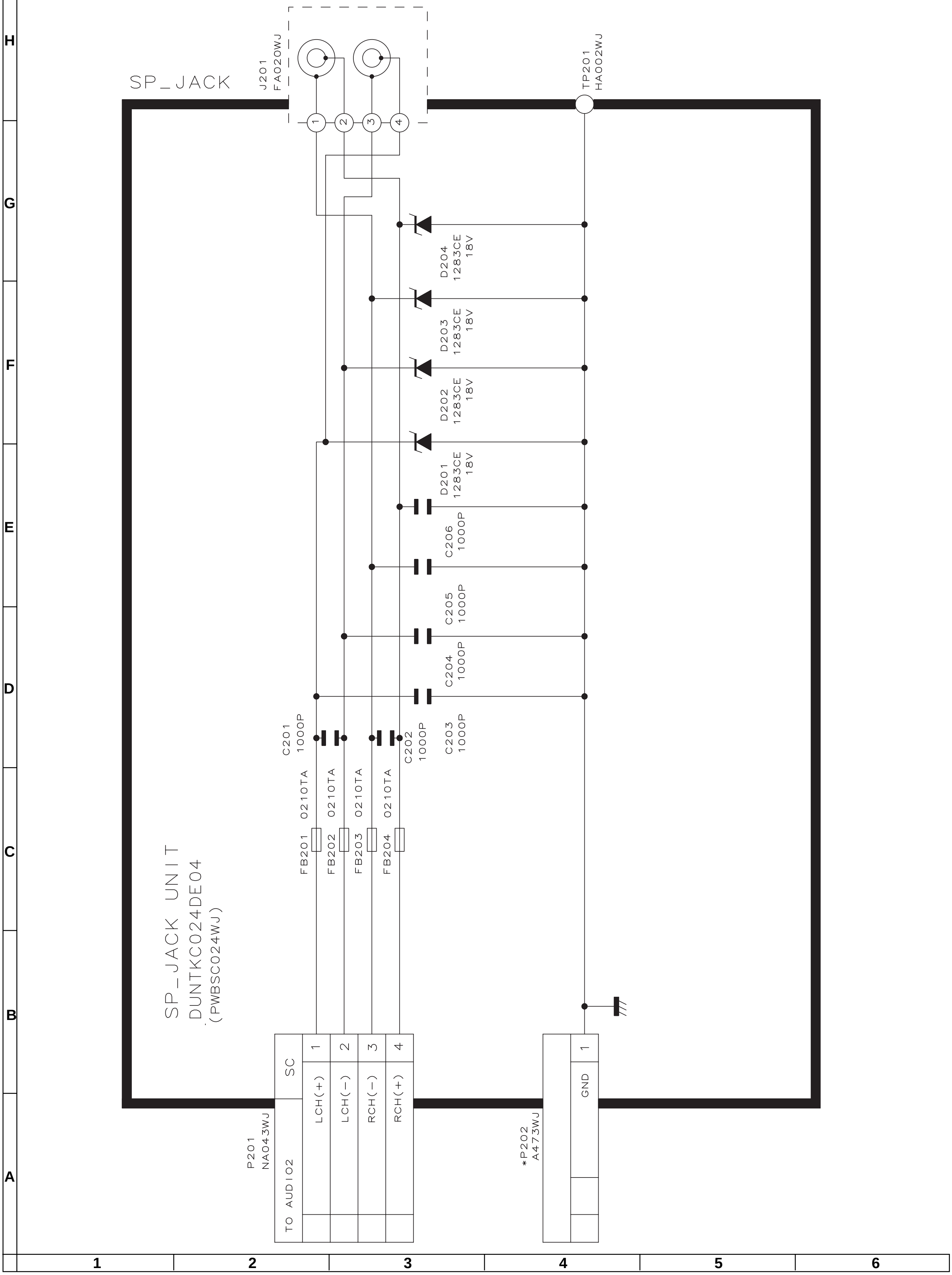

IC3812
BA09T/FP
VCC
GND
OUT
1
2
3
15.0
0.0
9.1
C3854
330u
25V
C3855
470u
16V
IC3816
BA05SFP
SW
IN
GND
OUT
NC
1
2
3
4
5
4.8
9.1
0
5.1
0
R3808
1K
C3881
10u
16V
D3807
HSU119
*L3801
10uH
L1M
C3852
220u
35V
*R3835
0
@COMME
R3841
10K
C3838
2.2u
50V
C3845
2.2u
50V
R3854
470
IC3808
NJM4565M
*R3834
150K
*C3833
33P
R3837
10K
C3830
0.1u Z
25V
15.1
7.6
7.5
7.5
8
7
6
5
1
2
3
4
7.6
7.5
7.5
0
C3834
100u
16V
R3839
10K
*R3833
150K
*C3832
33P
R3840
10K
R3846
10K
R3848
10K
D3804
0421CE
R3851
180F
R3853
180 F
C3840
10u
16V
R3850
180
F
C3844
10u
16V
C3847
10u
16V
R3847
10K
R3849
10K
D3805
0421CE
C3839
2.2u
50V
C3846
2.2u
50V
R3855
470
Q3804
C314TK
Q3805
C314TK
C3885
1000P
C3886
1000P
R3861
0
P3803
N1558RE
TO 1bit AMP
15 RCH-IN
14 AGND
13 LCH-IN
12 RST/PDN
11 A+5V
10 AGND_AD
9 RESET
8 MUTE
7 PROTECT
6 D+5V
5 DGND_AD
4 PVDD
3 PVDD
2 PGND
1 PGND
RST/PDN
AD_RESET
1BIT_MUTE
PROTECT
TO AUDIO2
SP_ON/OFF
SP_CHANGE
D5V
SP_ON/OFF
SP_CHANGE
3802
SU119
C3831
220u
6.3V
Q3801
A1530AR
801
U119
D3803
DAN222
R3842
5.6K
C3835
4.7u
6.3V
0117TA
R3844
47K
R3845
100K
R3832
22K
Q3802
A1530AR
BUFFER
RY3801
DA004WJ
4
3
1
8
C3850
220u
25V
C3842
0.022u Z
50V
R3852
4.7K
R3856
100K
Q3803
C3928AR
D3806
HSU119
C3841
0.022u Z
50V
C3843
47u
16V
TP3801
A001WJ
TP3802
HA002WJ
TP3803
A001WJ
TP3804
HA002WJ
10
11
12
13
14
15
16
17
18
19

■ AUDIO Unit-2/2 (Display)

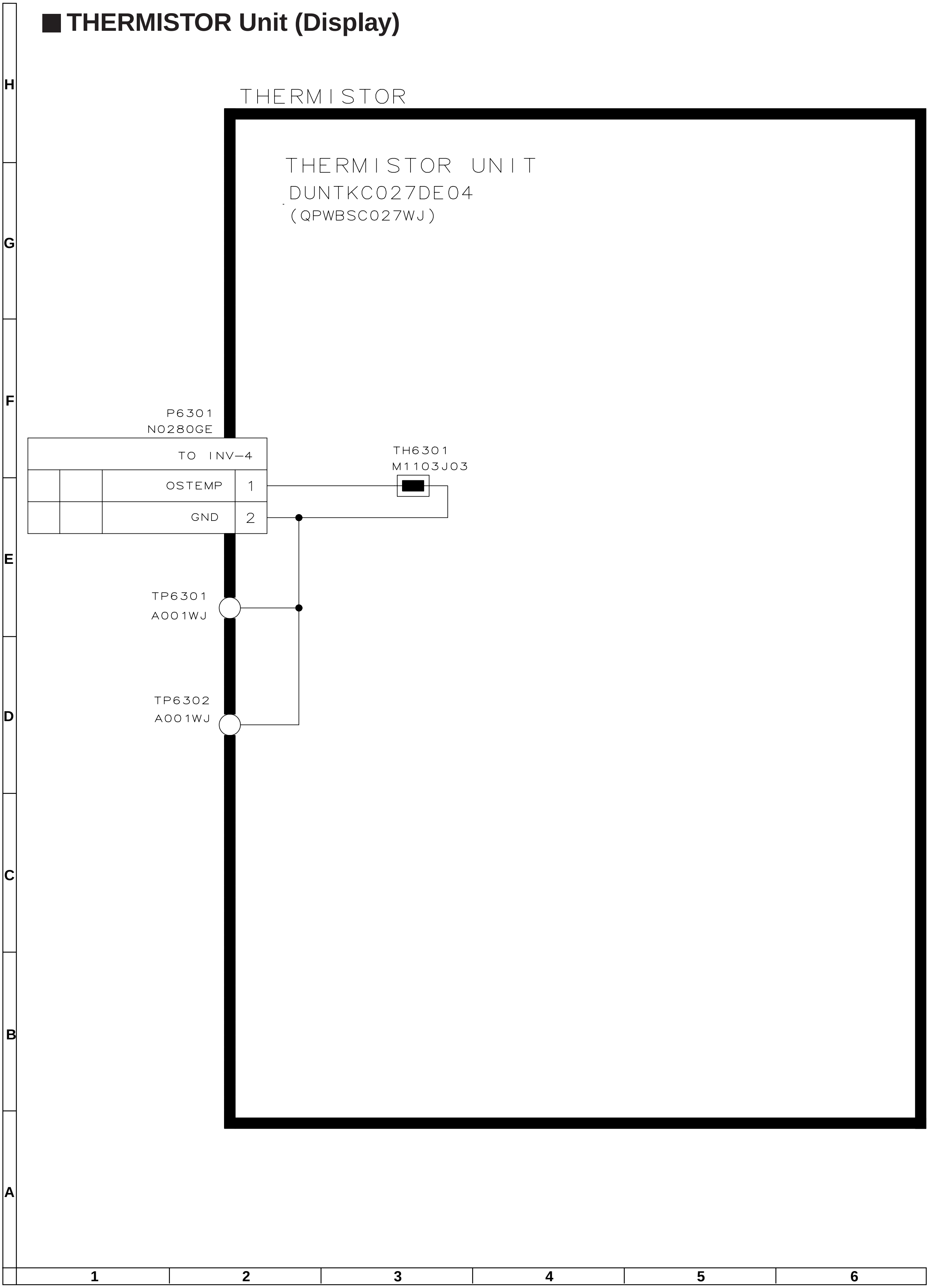

AUDIO2
AUDIO UNIT 2/2
DUNTKC023DE04
(QPWBSC023WJ)
P3903
N0858RE
TO 1bit AMP
RCH(+) 1
RCH(+) 2
RCH(−) 3
RCH(−) 4
LCH(−) 5
LCH(−) 6
LCH(+) 7
LCH(+) 8
R3908 100 1/4W TW
R3907 100 1/4W TW
C3910 0.022u Z 50V
C3908 0.22u
R3905 100 1/4W TW
R3906 100 1/4W TW
C3909 0.022u Z 50V
C3903 0.22u
D3902 HSU119
RY3902 DA002WJ
TO AUDIO1
SP_ON/OFF
SP_CHANGE
D5V
R3903 4.7K
R3904 100K
Q3902 C3928AR
D3901 HSU119
R3901 4.7K
R3902 100K
Q3901 C3928AR
RY3901 DA002WJ
H G F E D C B A
1 2 3 4 5 6 7 8 9 10


P3906
NA043WJ
TO SP-J
1 LCH(+)
2 LCH(−)
3 RCH(−)
4 RCH(+)
P3905
NA044WJ
TO MONITOR
1 RCH(+)EX
2 RCH(−)EX
3 GND
4 LCH(−)EX
5 LCH(+)EX
4
5
9
8
C3902
150P
C3904
150P
C3901
150P
C3905
150P
C3907
150P
C3906
150P
10
11
12
13
14
15
16
17
18
19

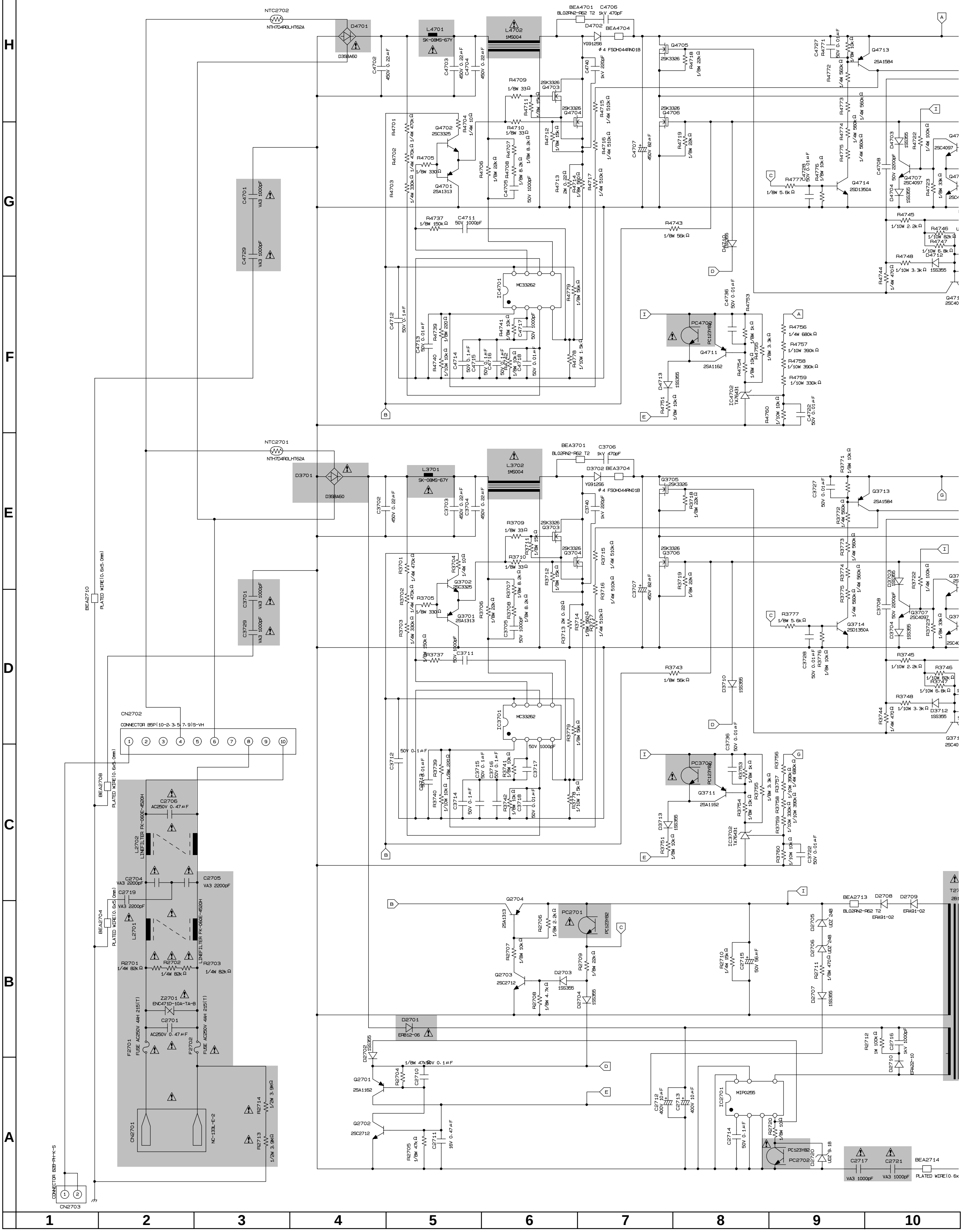
■ SPEAKER-JACK Unit (Display)

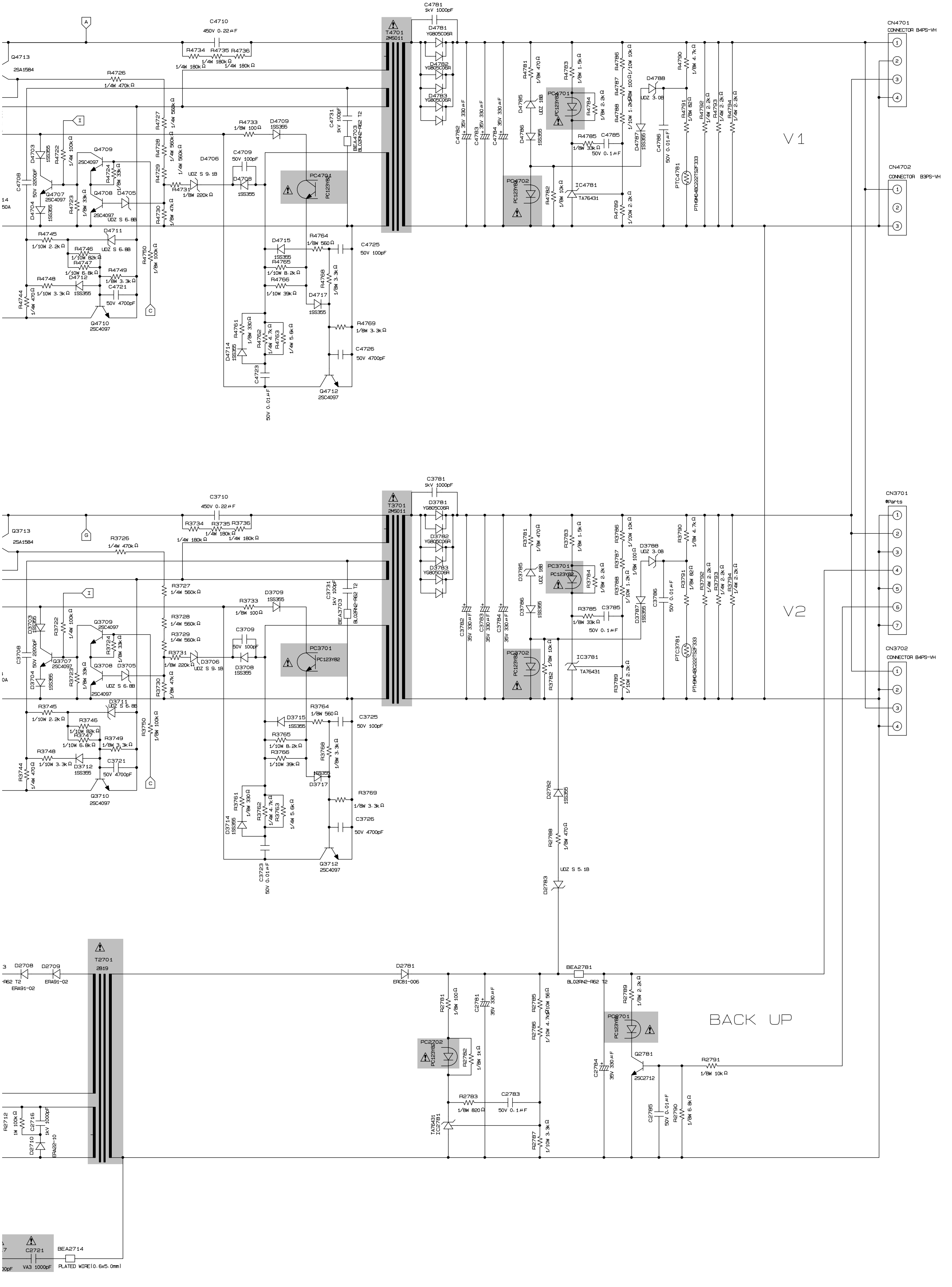

SP_JACK
J201
FA020WJ
1
2
3
4
TP201
HA002WJ
D204
1283CE
18V
D203
1283CE
18V
D202
1283CE
18V
D201
1283CE
18V
C206
1000P
C205
1000P
C204
1000P
C203
1000P
C201
1000P
C202
1000P
FB201 0210TA
FB202 0210TA
FB203 0210TA
FB204 0210TA
SP_JACK UNIT
DUNTKC024DE04
(PWBSC024WJ)
P201
NA043WJ
TO AUDIO2
SC
1 LCH(+)
2 LCH(−)
3 RCH(−)
4 RCH(+)
*P202
A473WJ
1 GND
H
G
F
E
D
C
B
A
1
2
3
4
5
6

■ THERMISTOR Unit (Display)


THERMISTOR
THERMISTOR UNIT
DUNTKC027DE04
(QPWBSC027WJ)
P6301
N0280GE
TO INV-4
OSTEMP
1
GND
2
TH6301
M1103J03
TP6301
A001WJ
TP6302
A001WJ
H
G
F
E
D
C
B
A
1
2
3
4
5
6

■ POWER Unit (Display)


H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
NTC2702
NTH7D4R0LHT62A
D4701
D3SBA60
C4702
450V 0.22μF
L4701
SK-08MS-67Y
C4703
450V 0.22μF
C4704
450V 0.22μF
L4702
1MS004
BEA4701
BL02RN2-R62 T2
C4706
1kV 470pF
D4702
YG912S6
BEA4704
φ4 FS0H044RN01B
C4740
1kV 220pF
Q4705
2SK3326
R4718
1/8W 22kΩ
R4709
1/8W 33Ω
Q4703
2SK3326
R4711
1/8W 15kΩ
Q4704
2SK3326
R4715
1/4W 510kΩ
Q4706
2SK3326
C4707
450V 82μF
R4719
1/8W 22kΩ
R4701
1/4W 470kΩ
R4702
1/4W 470kΩ
R4703
1/4W 330kΩ
R4704
1/4W 10Ω
Q4702
2SC3325
R4705
1/8W 330Ω
Q4701
2SA1313
R4706
1/8W 22kΩ
R4707
1/8W 8.2kΩ
R4708
1/8W 8.2kΩ
R4710
1/8W 33Ω
C4705
50V 1000pF
R4712
1/8W 15kΩ
R4713
2W 0.22Ω
R4714
R4716
1/4W 510kΩ
R4717
1/4W 510kΩ
C4701
VA3 1000pF
C4729
VA3 1000pF
R4737
1/8W 150kΩ
C4711
50V 1000pF
R4743
1/8W 56kΩ
D4710
1SS355
IC4701
MC33262
R4779
1/8W 56kΩ
C4712
50V 0.1μF
C4713
50V 0.01μF
R4739
1/8W 220Ω
R4740
1/10W 10kΩ
C4714
50V 0.1μF
C4715
50V 0.1μF
R4741
1/8W 10kΩ
R4742
1/8W 10kΩ
C4716
C4717
50V 1000pF
C4718
50V 0.01μF
R4778
1/10W 1.5kΩ
C4736
50V 0.01μF
PC4701
PC123Y82
R4753
1/8W 1kΩ
Q4711
2SA1162
R4754
1/8W 10kΩ
R4755
1/8W 3.3kΩ
R4756
1/4W 680kΩ
R4757
1/10W 390kΩ
R4758
1/10W 390kΩ
R4759
1/10W 330kΩ
IC4702
TA76431
D4713
1SS355
R4751
1/8W 10kΩ
R4760
1/10W 10kΩ
C4722
50V 0.01μF
C4727
50V 0.01μF
R4771
1/8W 10kΩ
Q4713
2SA1584
R4772
1/4W 560kΩ
R4773
1/4W 560kΩ
R4774
1/4W 560kΩ
R4775
1/4W 560kΩ
R4776
1/8W 10kΩ
R4777
1/8W 5.6kΩ
C4728
50V 0.01μF
Q4714
2SD1350A
C4708
50V 2200pF
D4703
1SS355
D4704
1SS355
R4722
1/4W 100kΩ
2SC4097
Q4707
2SC4097
R4723
1/4W 33kΩ
R4745
1/10W 2.2kΩ
R4746
1/10W 82kΩ
R4747
1/10W 6.8kΩ
R4748
1/10W 3.3kΩ
D4712
1SS355
R4744
1/4W 470Ω
A
B
C
D
E
G
I
NTC2701
NTH7D4R0LHT62A
D3701
D3SBA60
C3702
450V 0.22μF
L3701
SK-08MS-67Y
C3703
450V 0.22μF
C3704
450V 0.22μF
L3702
1MS004
BEA3701
BL02RN2-R62 T2
C3706
1kV 470pF
D3702
YG912S6
BEA3704
φ4 FS0H044RN01B
C3740
1kV 220pF
Q3705
2SK3326
R3718
1/8W 22kΩ
R3709
1/8W 33Ω
Q3703
2SK3326
R3711
1/8W 15kΩ
R3710
1/8W 33Ω
Q3704
2SK3326
R3715
1/4W 510kΩ
Q3706
2SK3326
C3707
450V 82μF
R3719
1/8W 22kΩ
R3701
1/4W 470kΩ
R3702
1/4W 470kΩ
R3703
1/4W 330kΩ
R3704
1/4W 10Ω
Q3702
2SC3325
R3705
1/8W 330Ω
Q3701
2SA1313
R3706
1/8W 22kΩ
R3707
1/8W 8.2kΩ
R3708
1/8W 8.2kΩ
C3705
50V 1000pF
R3712
1/8W 15kΩ
R3713
2W 0.22Ω
R3714
R3716
1/4W 510kΩ
R3717
1/4W 510kΩ
C3701
VA3 1000pF
C3729
VA3 1000pF
R3737
1/8W 150kΩ
C3711
50V 1000pF
R3743
1/8W 56kΩ
D3710
1SS355
IC3701
MC33262
R3779
1/8W 56kΩ
C3712
50V 0.1μF
C3713
50V 0.01μF
R3739
1/8W 220Ω
R3740
1/10W 10kΩ
C3714
50V 0.1μF
C3715
50V 0.1μF
C3716
450V 0.1μF
R3741
1/8W 10kΩ
R3742
1/8W 10kΩ
C3717
50V 1000pF
C3718
50V 0.01μF
R3778
1/10W 1.5kΩ
C3736
50V 0.01μF
PC3701
PC123Y82
R3753
1/8W 1kΩ
Q3711
2SA1162
R3754
1/8W 10kΩ
R3755
1/8W 3.3kΩ
R3756
1/4W 680kΩ
R3757
1/10W 390kΩ
R3758
1/10W 390kΩ
R3759
1/10W 330kΩ
IC3702
TA76431
D3713
1SS355
R3751
1/8W 10kΩ
R3760
1/10W 10kΩ
C3722
50V 0.01μF
C3727
50V 0.01μF
R3771
1/8W 10kΩ
Q3713
2SA1584
R3772
1/4W 560kΩ
R3773
1/4W 560kΩ
R3774
1/4W 560kΩ
R3775
1/4W 560kΩ
R3776
1/8W 10kΩ
R3777
1/8W 5.6kΩ
C3728
50V 0.01μF
Q3714
2SD1350A
C3708
50V 2200pF
D3703
1SS355
D3704
1SS355
R3722
1/4W 100kΩ
Q3707
2SC4097
R3723
1/4W 33kΩ
R3745
1/10W 2.2kΩ
R3746
1/10W 82kΩ
R3747
1/10W 6.8kΩ
R3748
1/10W 3.3kΩ
D3712
1SS355
R3744
1/4W 470Ω
BEA2710
PLATED WIRE(0.6x5.0mm)
CN2702
CONNECTOR B5P(10-2·3·5·7·9)S-VH
BEA2708
PLATED WIRE(0.6x5.0mm)
C2706
AC250V 0.47μF
L2702
LINEFILTER FX-060E-4520H
C2704
VA3 2200pF
C2705
VA3 2200pF
C2719
VA3 2200pF
BEA2704
PLATED WIRE(0.6x5.0mm)
L2701
LINEFILTER FX-060E-4520H
R2701
1/4W 82kΩ
R2702
1/4W 82kΩ
R2703
1/4W 82kΩ
Z2701
ENC471D-10A-TA-B
C2701
AC250V 0.47μF
F2701
FUSE AC250V 4AH 215(T)
F2702
FUSE AC250V 4AH 215(T)
CN2701
NC-133L-E-2
R2714
1/2W 3.9MΩ
R2713
1/2W 3.9MΩ
CONNECTOR B2B-PH-K-S
CN2703
Q2704
2SA1313
R2706
1/8W 2.2kΩ
PC2701
PC123Y82
R2707
1/8W 10kΩ
R2709
1/8W 22kΩ
Q2703
2SC2712
D2703
1SS355
R2708
1/8W 4.7kΩ
D2704
1SS355
D2701
ERB12-06
D2702
1SS355
R2704
1/8W 47kΩ
C2710
50V 0.1μF
Q2701
2SA1162
Q2702
2SC2712
R2705
1/8W 47kΩ
C2711
16V 0.47μF
C2712
400V 10μF
C2713
400V 10μF
IC2701
MIP0255
C2714
50V 0.1μF
R2720
1/8W 10Ω
PC2702
PC123Y82
D2720
UDZ 9.1B
C2717
VA3 1000pF
C2721
VA3 1000pF
BEA2714
PLATED WIRE(0.6x
R2710
1/4W 15kΩ
C2715
50V 56μF
BEA2713
BL02RN2-R62 T2
D2708
ERA91-02
D2709
ERA91-02
D2705
UDZ 24B
D2706
UDZ 24B
R2711
1/8W 470Ω
D2707
1SS355
R2712
1W 100kΩ
C2716
1kV 1000pF
D2710
ERA22-10
T27


A
C4710
450V 0.22μF
R4734
R4735
R4736
1/4W 180kΩ
1/4W 180kΩ
1/4W 180kΩ
Q4713
2SA1584
R4726
1/4W 470kΩ
T4701
2MS011
C4781
1kV 1000pF
D4781
YG805C06R
D4782
YG805C06R
D4783
YG805C06R
C4782
35V 330μF
C4783
35V 330μF
C4784
35V 330μF
CN4701
CONNECTOR B4PS-VH
CN4702
CONNECTOR B3PS-VH
V1
R4727
1/4W 560kΩ
R4728
1/4W 560kΩ
R4729
1/4W 560kΩ
R4730
1/8W 47kΩ
R4731
1/8W 220kΩ
D4706
UDZ S 9.1B
C4709
50V 100pF
D4708
1SS355
R4733
1/8W 100Ω
D4709
1SS355
C4731
1kV 100pF
BEA4703
BL02RN2-R62 T2
PC4701
PC123Y82
D4703
1SS355
D4704
1SS355
C4708
50V 2200pF
R4722
1/4W 100kΩ
Q4709
2SC4097
Q4707
2SC4097
Q4708
2SC4097
R4723
1/8W 33kΩ
R4724
1/8W 33kΩ
D4705
UDZ S 6.8B
R4745
1/10W 2.2kΩ
D4711
UDZ S 6.8B
R4746
1/10W 82kΩ
R4747
1/10W 6.8kΩ
R4748
1/10W 3.3kΩ
D4712
1SS355
R4749
1/8W 3.3kΩ
C4721
50V 4700pF
R4744
1/4W 470Ω
Q4710
2SC4097
R4750
1/8W 100kΩ
D4715
1SS355
R4764
1/8W 560Ω
C4725
50V 100pF
R4765
1/10W 8.2kΩ
R4766
1/10W 39kΩ
R4768
1/8W 3.3kΩ
D4717
1SS355
R4769
1/8W 3.3kΩ
C4726
50V 4700pF
D4714
1SS355
R4761
1/8W 330Ω
R4762
1/4W 4.7kΩ
R4763
1/4W 5.6kΩ
C4723
50V 0.01μF
Q4712
2SC4097
I
C
R4781
1/8W 470Ω
R4783
1/8W 1.5kΩ
R4786
1/10W 10kΩ
D4785
UDZ 18B
D4786
1SS355
PC4701
PC123Y82
R4784
1/8W 2.2kΩ
R4787
1/10W 100Ω
R4788
1/10W 1.2kΩ
D4788
UDZ 3.0B
R4785
1/8W 33kΩ
C4785
50V 0.1μF
D4787
1SS355
C4786
50V 0.01μF
R4790
1/8W 4.7kΩ
R4791
1/8W 82Ω
R4792
1/4W 2.2kΩ
R4793
1/4W 2.2kΩ
R4794
1/4W 2.2kΩ
PTC4781
PTH9M04BC222TS2F333
PC4702
PC123Y82
R4782
1/8W 10kΩ
IC4781
TA76431
R4789
1/10W 2.2kΩ
C3710
450V 0.22μF
R3734
R3735
R3736
1/4W 180kΩ
Q3713
2SA1584
G
R3726
1/4W 470kΩ
T3701
2MS011
C3781
1kV 1000pF
D3781
YG805C06R
D3782
YG805C06R
D3783
YG805C06R
C3782
35V 330μF
C3783
35V 330μF
C3784
35V 330μF
CN3701
*Parts
CN3702
CONNECTOR B4PS-VH
V2
R3727
1/4W 560kΩ
R3728
1/4W 560kΩ
R3729
1/4W 560kΩ
R3730
1/8W 47kΩ
R3731
1/8W 220kΩ
D3706
UDZ S 9.1B
C3709
50V 100pF
D3708
1SS355
R3733
1/8W 100Ω
D3709
1SS355
C3731
1kV 100pF
BEA3703
BL02RN2-R62 T2
PC3701
PC123Y82
D3703
1SS355
D3704
1SS355
C3708
50V 2200pF
R3722
1/4W 100kΩ
Q3709
2SC4097
Q3707
2SC4097
Q3708
2SC4097
R3723
1/8W 33kΩ
R3724
1/8W 33kΩ
D3705
UDZ S 6.8B
R3745
1/10W 2.2kΩ
D3711
UDZ S 6.8B
R3746
1/10W 82kΩ
R3747
1/10W 6.8kΩ
R3748
1/10W 3.3kΩ
D3712
1SS355
R3749
1/8W 3.3kΩ
C3721
50V 4700pF
R3744
1/4W 470Ω
Q3710
2SC4097
R3750
1/8W 100kΩ
D3715
1SS355
R3764
1/8W 560Ω
C3725
50V 100pF
R3765
1/10W 8.2kΩ
R3766
1/10W 39kΩ
R3768
1/8W 3.3kΩ
D3717
1SS355
R3769
1/8W 3.3kΩ
C3726
50V 4700pF
D3714
1SS355
R3761
1/8W 330Ω
R3762
1/4W 4.7kΩ
R3763
1/4W 5.6kΩ
C3723
50V 0.01μF
Q3712
2SC4097
R3781
1/8W 470Ω
R3783
1/8W 1.5kΩ
R3786
1/10W 10kΩ
D3785
UDZ 18B
D3786
1SS355
PC3701
PC123Y82
R3784
1/8W 2.2kΩ
R3787
1/10W 100Ω
R3788
1/10W 1.2kΩ
D3788
UDZ 3.0B
R3785
1/8W 33kΩ
C3785
50V 0.1μF
D3787
1SS355
C3786
50V 0.01μF
R3790
1/8W 4.7kΩ
R3791
1/8W 82Ω
R3792
1/4W 2.2kΩ
R3793
1/4W 2.2kΩ
R3794
1/4W 2.2kΩ
PTC3781
PTH9M04BC222TS2F333
PC3702
PC123Y82
R3782
1/8W 10kΩ
IC3781
TA76431
R3789
1/10W 2.2kΩ
D2782
1SS355
R2788
1/8W 470Ω
D2783
UDZ S 5.1B
D2708
D2709
ERA91-02
ERA91-02
T2701
2B19
D2781
ERC81-006
R2781
1/8W 100Ω
C2781
35V 330μF
R2785
1/10W 56Ω
R2786
1/10W 4.7kΩ
PC2702
PC123Y82
R2782
1/8W 1kΩ
R2783
1/8W 820Ω
C2783
50V 0.1μF
TA76431
IC2781
R2787
1/10W 3.3kΩ
BEA2781
BL02RN2-R62 T2
R2789
1/8W 2.2kΩ
PC2701
PC123Y82
BACK UP
Q2781
2SC2712
C2784
35V 330μF
R2791
1/8W 10kΩ
C2785
50V 0.01μF
R2790
1/8W 6.8kΩ
R2712
1W 100kΩ
C2716
1kV 1000pF
D2710
ERA22-10
C2721
VA3 1000pF
BEA2714
PLATED WIRE(0.6x5.0mm)
10
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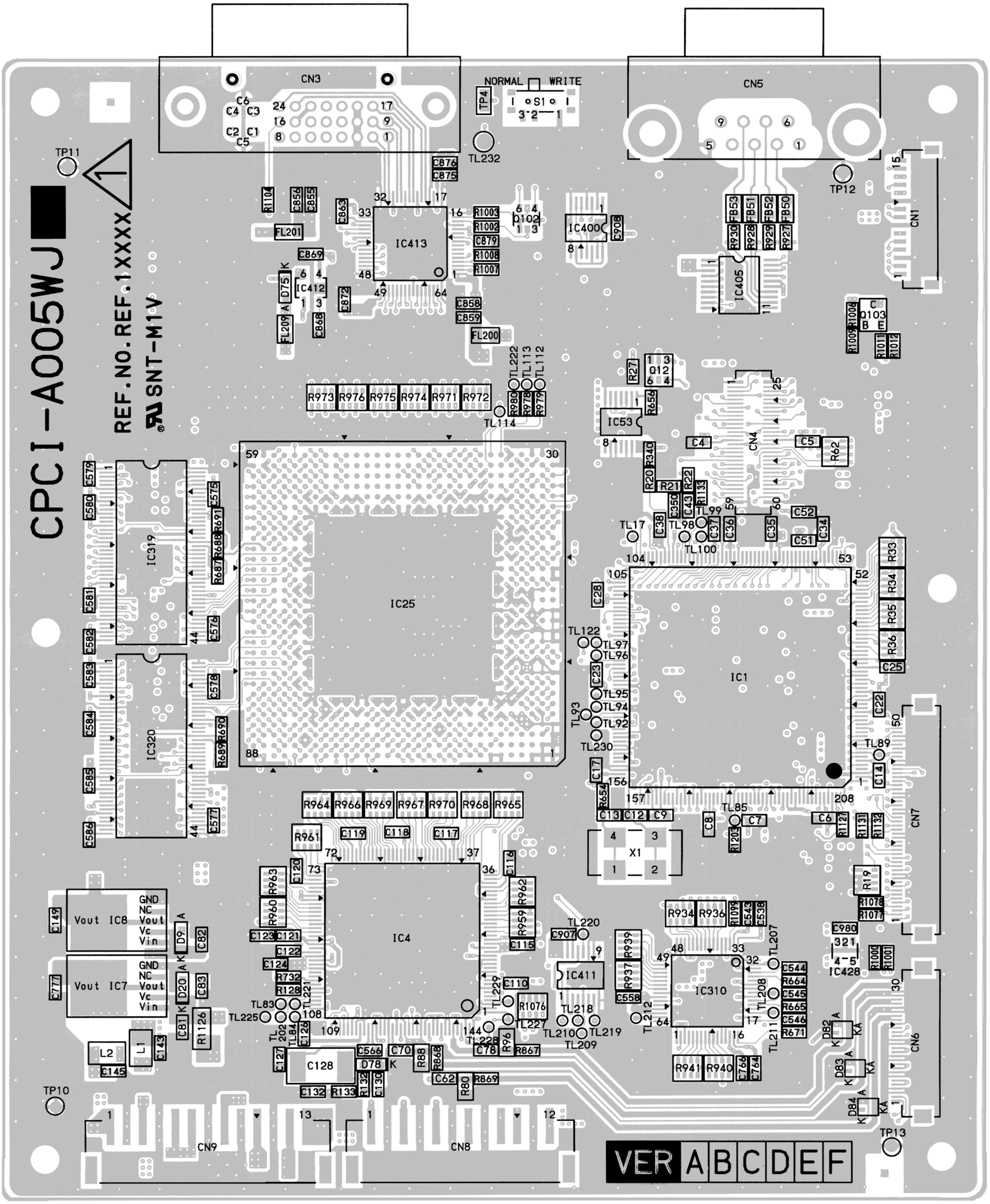
19

PRINTED WIRING BOARD ASSEMBLIES

■ AVC System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C5
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17 9 1
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TP11
TP12
CN1
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REF.NO.REF.1XXXX
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R1104
C856
C855
FL201
C863
C869
D75
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C872
C868
FL209
IC413
32 17 33 16 48 49 64 1
C876
C875
R1003
R1002
C879
R1008
R1007
Q102
IC400
C908
FB53 FB51 FB52 FB50
R930 R928 R929 R927
IC405
C858
C859
FL200
R1009 R1006
Q103
R1011 R1012
R973 R976 R975 R974 R971 R972
TL222 TL113 TL112
R980 R978 R979
TL114
R27
Q12
R656
IC53
CN4
C4
C5
R62
R340
R20 R21 R22
R133
C350 C43
C38 TL98 TL99 C37 C36
TL100
C35
C52 C51 C34
TL17
IC25
59 30 88 1
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C583
C578
IC320
C584
R690 R689
C585
C586
C577
104 53 105 52
C28
IC1
R33 R34 R35 R36 C25
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C23
TL95 TL94 TL93 TL92
TL230
C22
50
TL89
C17
R654
156 157 208
C14
C13 C12 C9
TL85
C8 C7 C6
R1203 R1127 R1131 R1132
CN7
X1
R964 R966 R969 R967 R970 R968 R965
R961 C119 C118 C117
72 37 73 36
C120
C116
R963
R960
R962
R959
C115
IC4
C123 C121
C122
C124
R732
R128
TL83 TL225
TL221
108 109
TL202 TL84 C126
144
TL229
C110
R1076
TL227 TL228
C78 R867
R96
C127 C128
C566 C70
D78
R88 R868
C132 R133 R132 C130
C62 R869 R80
TL220
C907
IC411
R939 R937 C558
TL218
TL210 TL219
TL209
TL212
R934 R936 R1099 C543 C538
IC310
48 33 49 64 17 16
TL207 TL208 TL211
C544 R664 C545 R665 C546 R671
R941 R940 C766 C764
R19
R1078 R1077
C980
IC428
R1000 R1001
D82 D83 D84
CN6
C149
IC8
GND NC Vout Vc Vin
Vout
D9
C82
C777
IC7
D20
C83
C81
R1126
L2 L1
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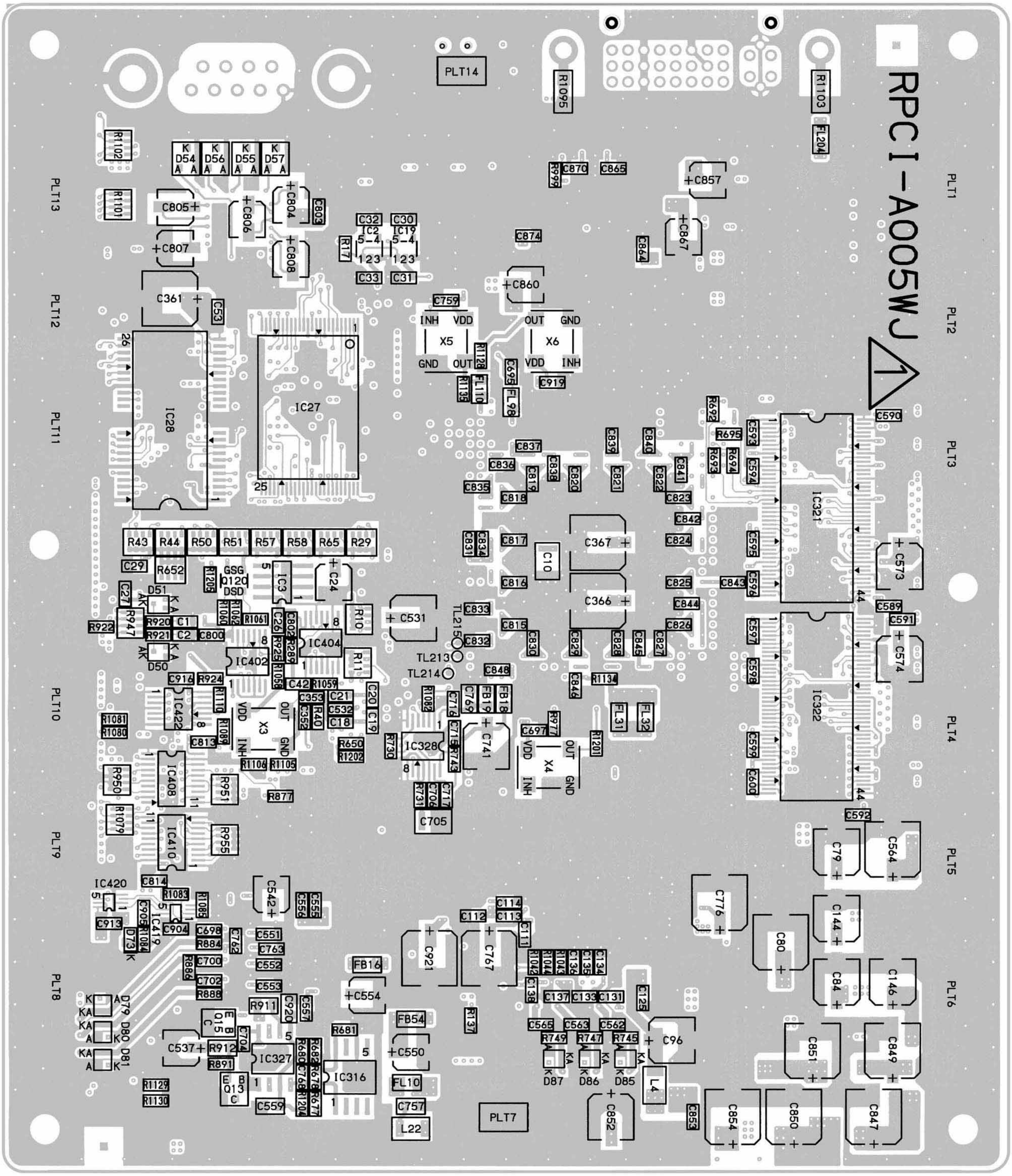
CN9
CN8
1 13 1 12
TP13
VER A B C D E F

PC I/F Unit (Side-A)

■ AVC System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PLT6
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PLT12
PLT13
PLT14
R1095
R1103
FL204
R1102
R1101
D54
D56
D55
D57
C805
C806
C804
C803
C807
C808
C361
C53
C32
C30
IC2
IC19
R17
C33
C31
C870
C865
R999
C857
C867
C864
C874
C860
C759
X5
X6
INH
VDD
GND
OUT
R1128
R1135
FL110
C695
FL98
C919
IC28
IC27
R692
R695
R693
R694
C593
C594
C590
IC321
IC322
C837
C836
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C842
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C828
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Q120
IC3
C24
C27
D51
D50
R922
R947
R920
R921
C1
C2
C800
R1060
R1062
R1061
C26
C802
R928
R289
R1058
IC404
IC402
R10
R11
C531
TL215
TL213
TL214
C916
C924
R1110
C42
R1059
C353
C352
C21
R40
C532
C18
C20
C19
X3
IC422
C813
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R1106
R1105
R650
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R1081
R1080
R1082
C716
C769
FB19
FB18
C848
R1134
FL31
FL32
C697
R977
C715
R743
C741
IC328
R730
X4
R1201
C595
C596
C573
C589
C591
C597
C574
C598
C599
C600
C592
IC408
R950
R951
R877
R731
C706
C717
C705
R1079
IC410
R955
C79
C564
IC420
C814
R1083
R1085
C542
C555
C556
C913
C905
C419
R1084
D73
C904
C698
R884
C762
C551
C763
C552
C700
R886
C702
R888
C553
C112
C114
C113
C111
C921
C767
R1042
R1044
R1043
C135
C136
C134
C138
C137
C133
C131
C125
C776
C144
C80
C84
C146
FB16
C554
R911
C920
C557
D79
D80
D81
Q15
C704
C537
R912
R891
IC327
R681
R682
R680
R678
C768
R679
R677
R1204
IC316
FB54
C550
FL10
C757
L22
R1129
R1130
Q13
C559
R137
C565
C563
C562
R749
R747
R745
C96
D87
D86
D85
L4
C852
C853
C854
C850
C847
C851
C849
H
G
F
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C
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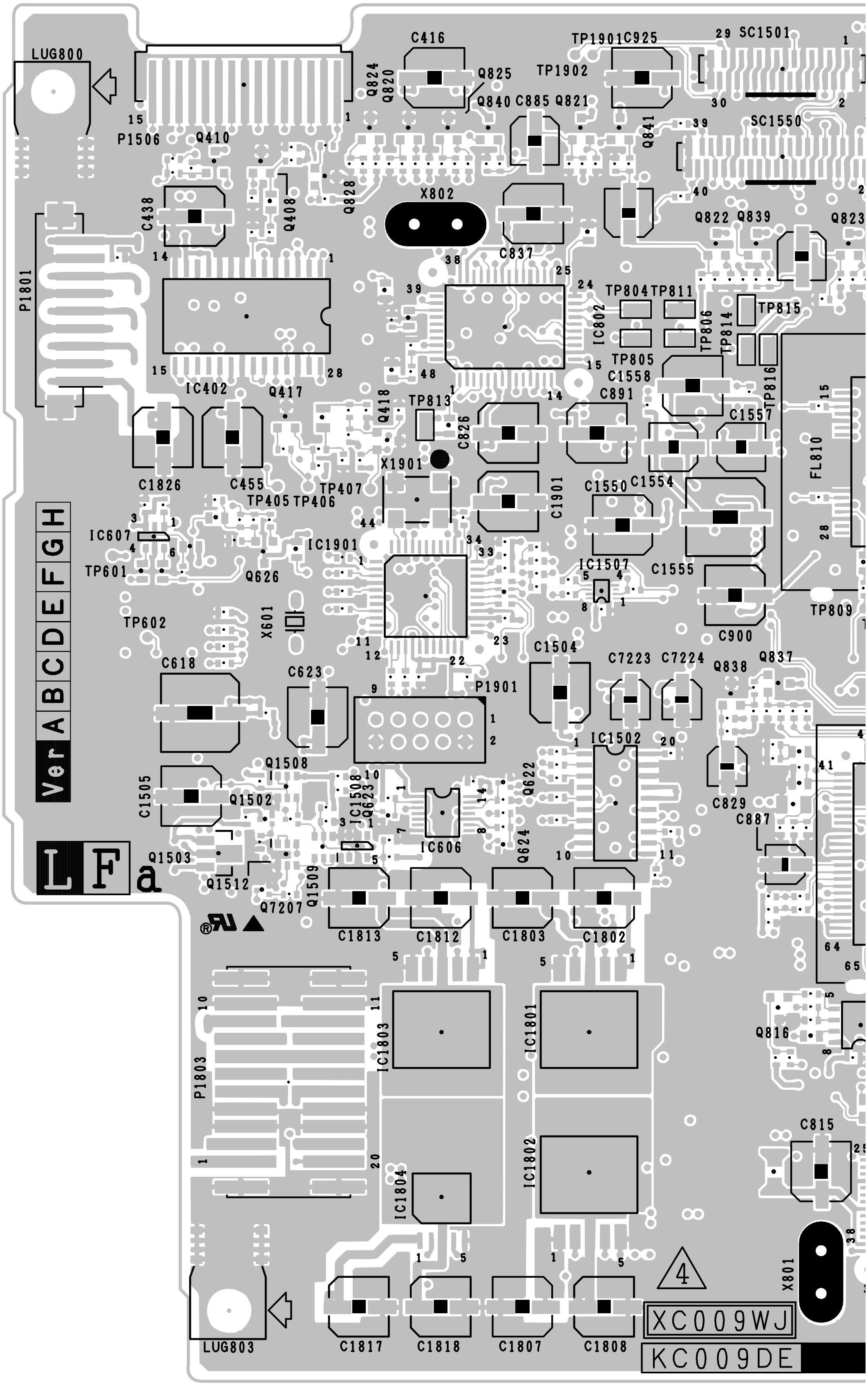
PC I/F Unit (Side-B)

■ AVC System

H
G
F
E
D
C
B
A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C416
Q824
Q820
Q825
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Q840
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Q821
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SC1550
Q841
C438
Q408
Q828
X802
C837
Q822
Q839
Q823
P1801
IC402
Q417
IC802
TP804
TP811
TP806
TP814
TP815
TP805
C1558
C891
TP816
Q418
TP813
C826
C1557
FL810
C1826
C455
TP405
TP406
TP407
X1901
C1901
C1550
C1554
IC607
TP601
IC1901
Q626
IC1507
C1555
TP602
X601
C900
TP809
C618
C623
P1901
C1504
C7223
C7224
Q838
Q837
IC1502
Q1508
Q622
C1505
Q1502
IC1508
Q623
C829
C887
IC606
Q624
Q1503
Q1512
Q1509
Q7207
C1813
C1812
C1803
C1802
P1803
IC1803
IC1801
Q816
IC1804
IC1802
C815
X801
LUG803
C1817
C1818
C1807
C1808
XC009WJ
KC009DE
Ver A B C D E F G H
L F a

MAIN Unit (Side-A)

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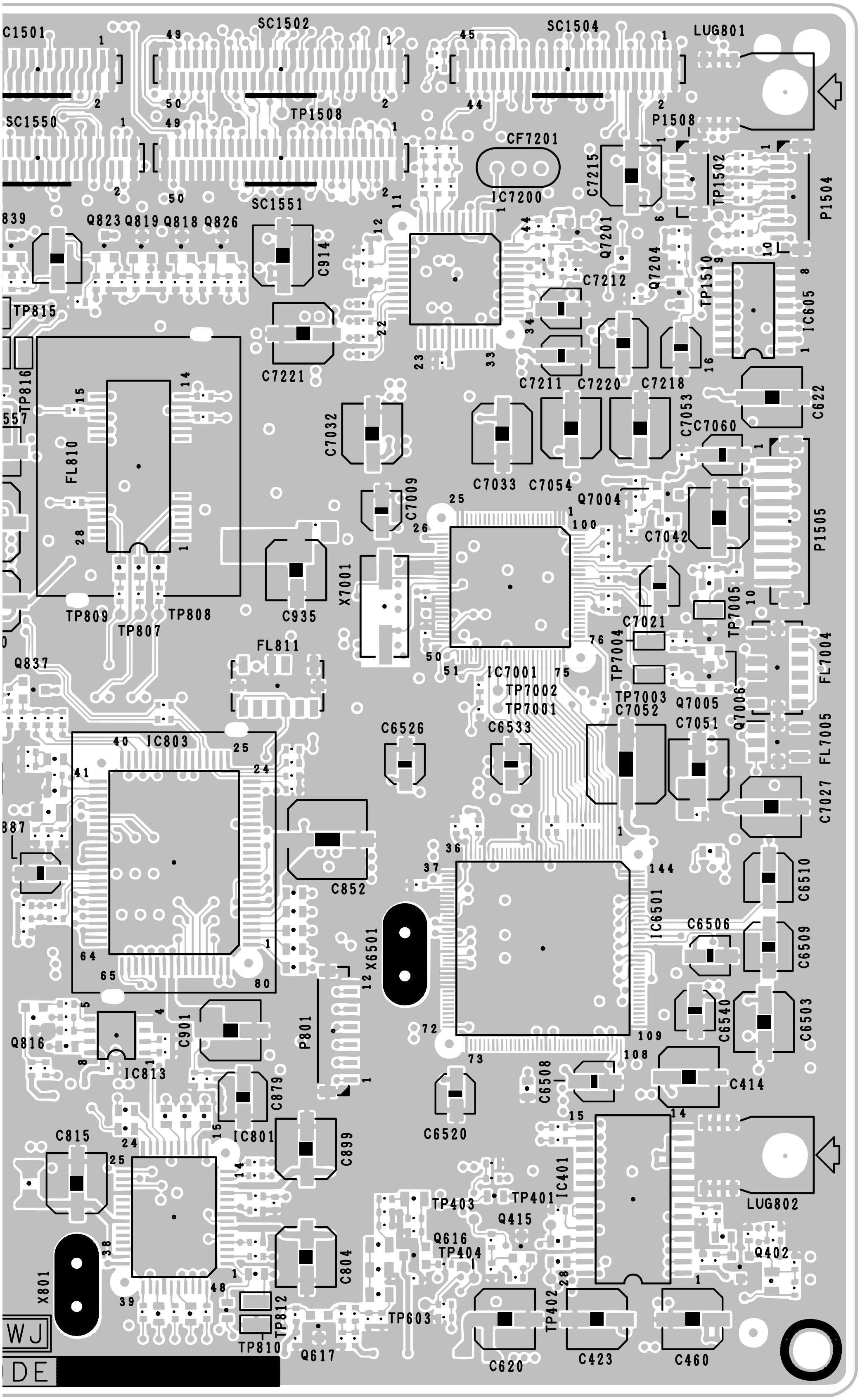
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SC1504
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SC1550
TP1508
P1508
CF7201
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C7215
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P1504
839
Q823
Q819
Q818
Q826
SC1551
C914
Q7201
Q7204
C7212
TP1510
IC605
TP815
C7221
C7211
C7220
C7218
TP816
FL810
557
C7032
C7033
C7054
C7053
C7060
C622
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P1505
X7001
C935
TP809
TP807
TP808
FL811
C7021
TP7005
TP7004
IC7001
TP7002
TP7001
TP7003
C7052
Q7005
C7051
Q7006
FL7004
FL7005
Q837
IC803
C6526
C6533
C7027
887
C852
IC6501
C6510
C6506
C6509
X6501
C6540
C6503
Q816
IC813
C901
P801
C879
C6520
C6508
C414
C815
IC801
C899
IC401
LUG802
TP403
TP401
Q415
Q616
TP404
Q402
X801
C804
TP812
TP810
Q617
TP603
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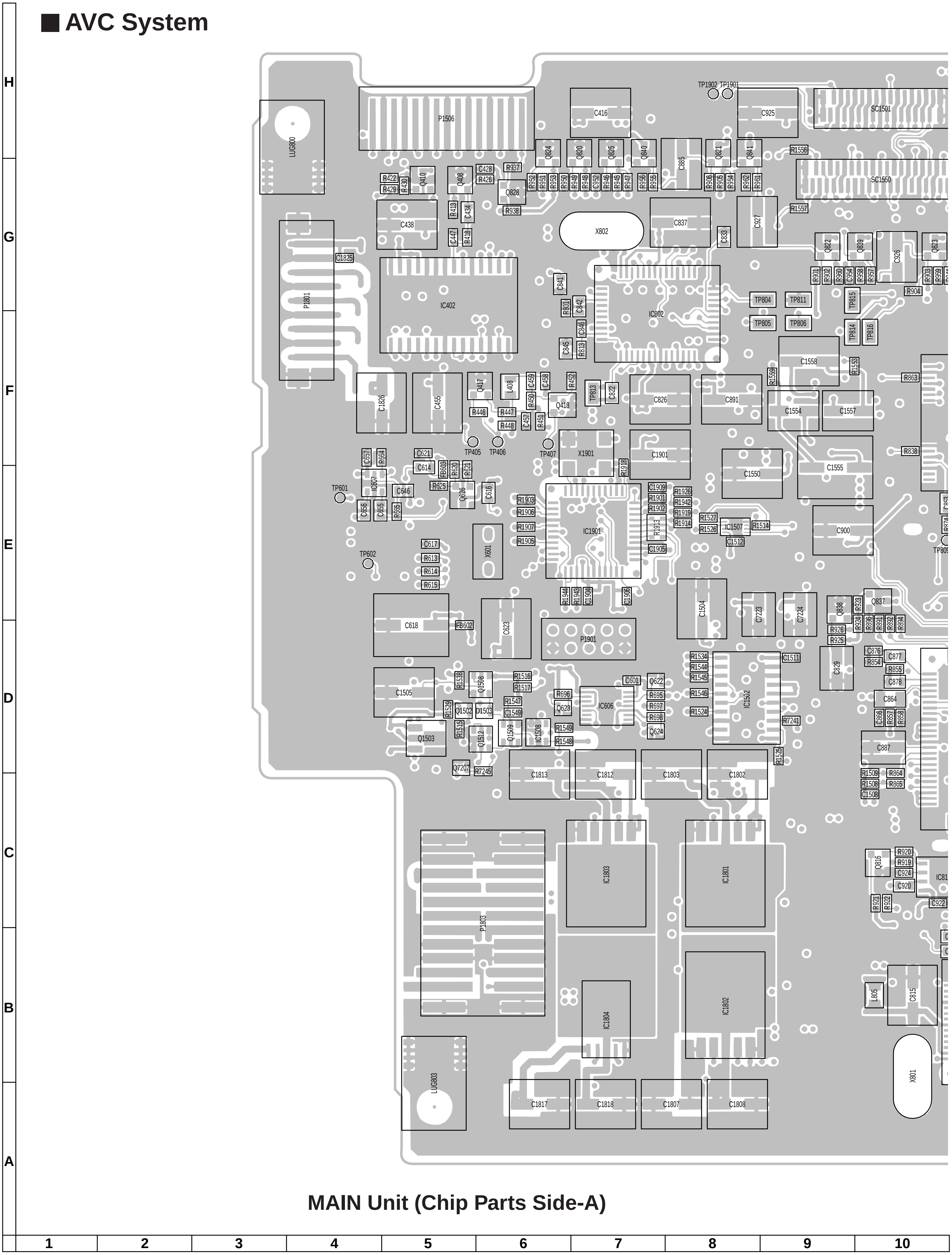
TP402
C423
C460
WJ
DE

10	11	12	13	14	15	16	17	18	19

■ AVC System


H
G
F
E
D
C
B
A
1
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3
4
5
6
7
8
9
10
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C416
C925
SC1501
SC1550
LUG800
P1801
IC402
IC802
X802
IC1901
X1901
P1901
C618
C623
C1505
C1504
IC1502
IC606
C1813
C1812
C1803
C1802
IC1803
IC1801
IC1804
IC1802
P1803
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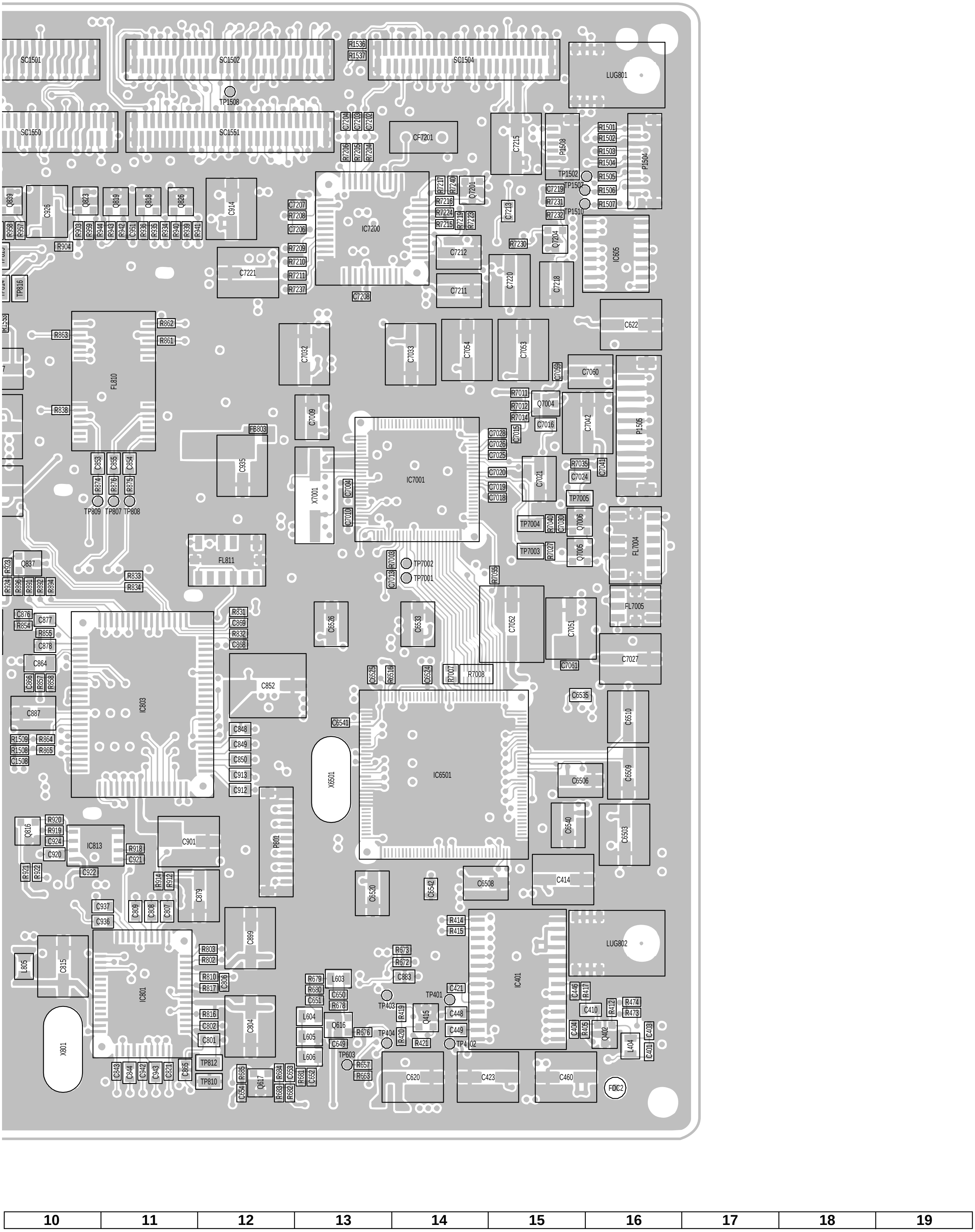
C1808
X801
C815
L805
Q816
IC81

MAIN Unit (Chip Parts Side-A)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SC1550
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C7215
P1508
R1501
R1502
R1503
R1504
P1504
R7206
R7205
R7204
TP1502
R1505
TP1507
R1506
TP1510
R1507
Q839
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Q823
Q819
Q818
Q826
C914
C7207
C7208
C7206
IC7200
R7217
R7240
Q7201
R7216
R7224
R7215
R7219
R7223
C7213
C7219
R7231
R7232
Q7204
IC605
R958
R957
R903
R959
R944
R943
R942
C951
R936
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R940
R939
R941
R904
C7221
R7209
R7210
R7211
R7237
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C7060
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R7012
R7014
Q7004
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FB803
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C855
C854
R874
R876
R875
TP809
TP807
TP808
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IC7001
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C7018
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C7041
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Q816
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C921
C901
C6540
C6503
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C922
R914
R912
C879
C6520
C6542
C6508
C414
C937
C936
C809
C808
C807
C899
R414
R415
IC401
LUG802
L805
C815
IC801
R803
R802
R810
R817
C806
R673
R672
C883
R679
R680
C651
L603
C650
R678
TP401
C421
TP403
R419
Q415
C448
C446
R417
C410
R412
R474
R473
R816
C802
C801
C804
L604
Q616
L605
C649
TP404
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R420
R421
C449
TP402
C404
R405
Q402
L404
C403
C401
X801
TP812
TP810
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R681
C652
L606
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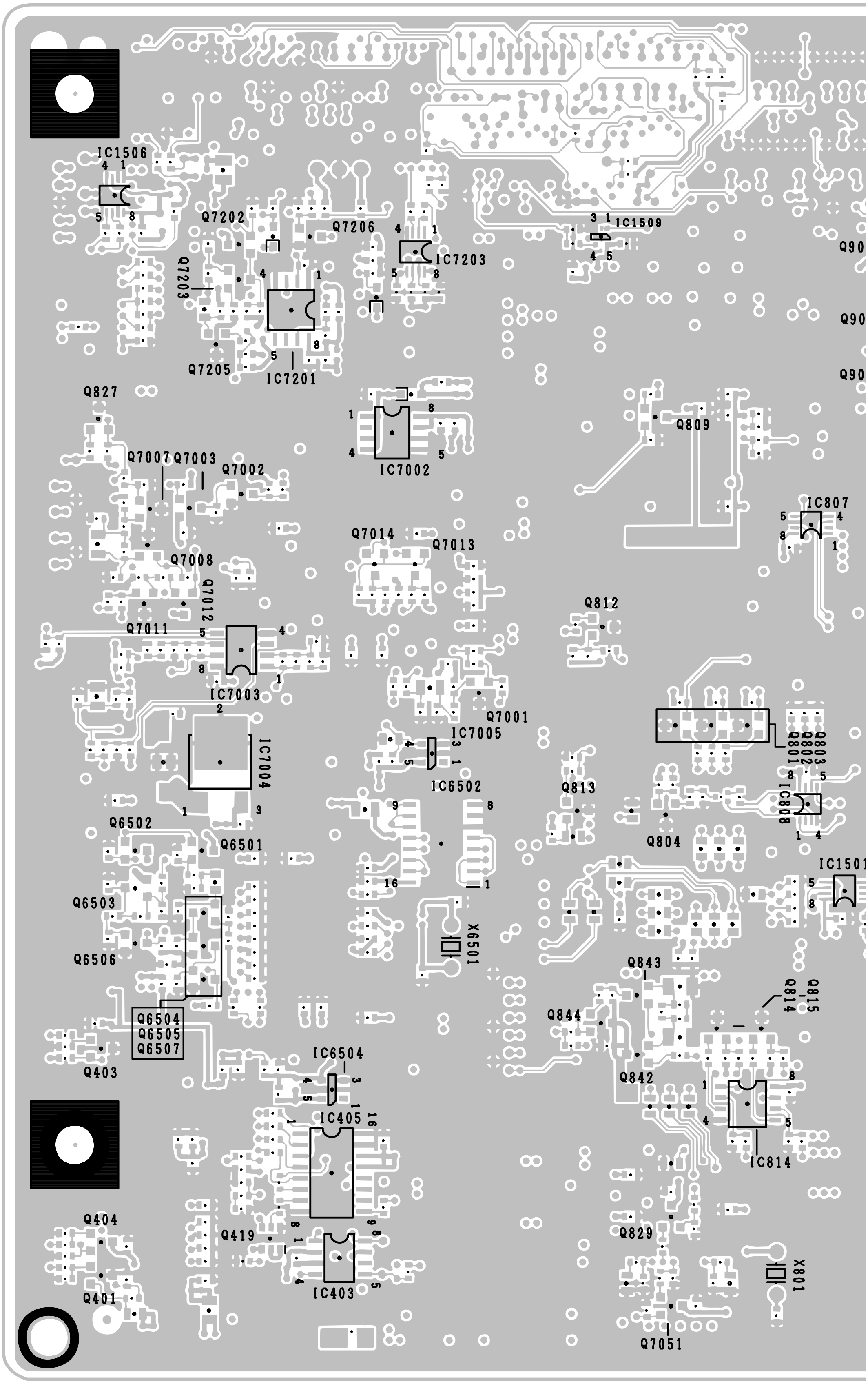
■ AVC System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IC807
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Q7012
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Q7011
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Q7001
IC7005
IC7004
Q803
Q802
Q801
IC808
IC6502
Q813
Q6502
Q6501
Q804
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Q6503
X6501
Q6506
Q843
Q815
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Q6504
Q6505
Q6507
Q403
IC6504
Q842
IC405
IC814
Q404
Q419
Q829
IC403
X801
Q401
Q7051

MAIN Unit (Side-B)

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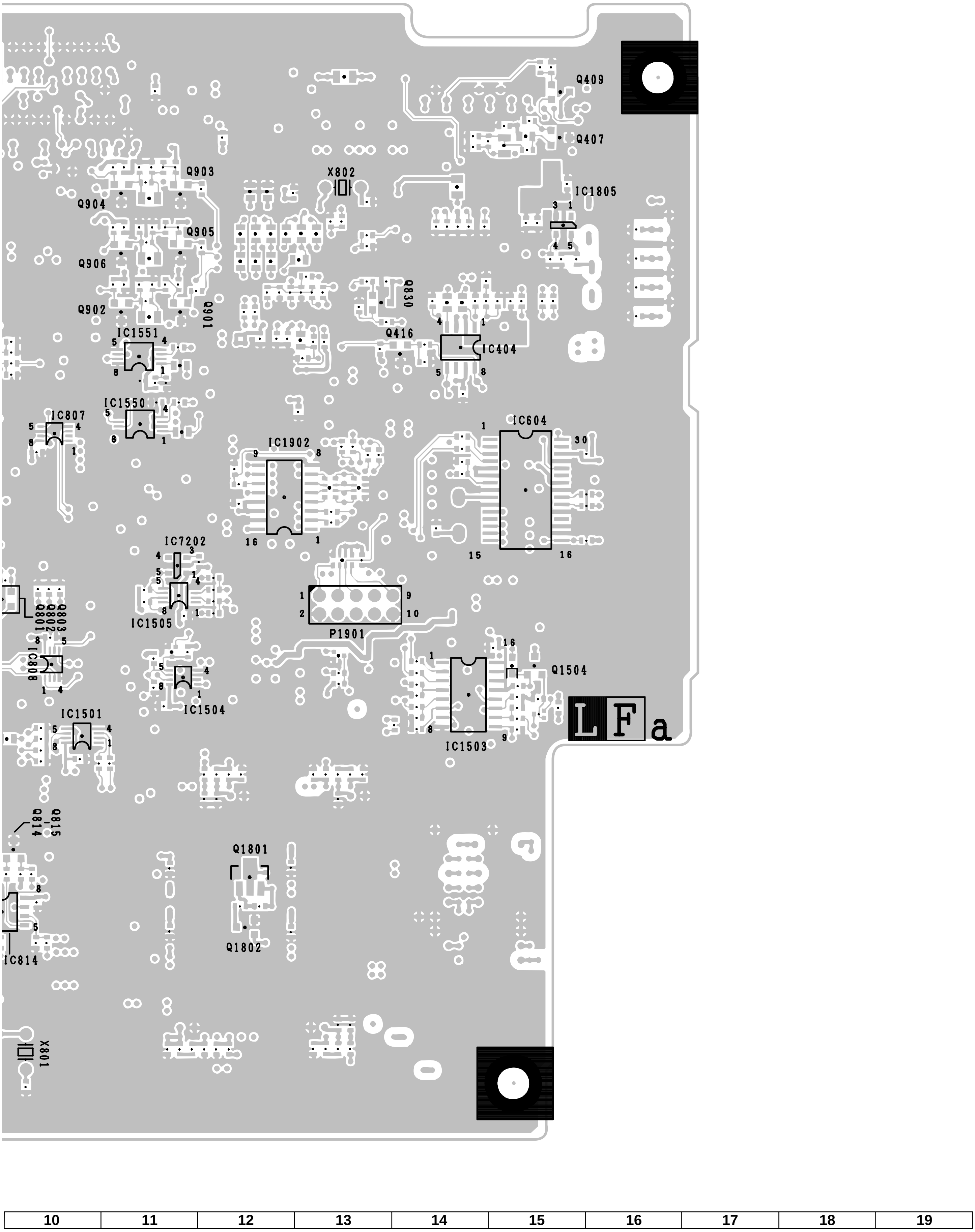
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IC807
IC604
IC1902
IC7202
P1901
IC1505
Q803
Q802
Q801
IC808
Q1504
IC1504
IC1501
IC1503
LFa
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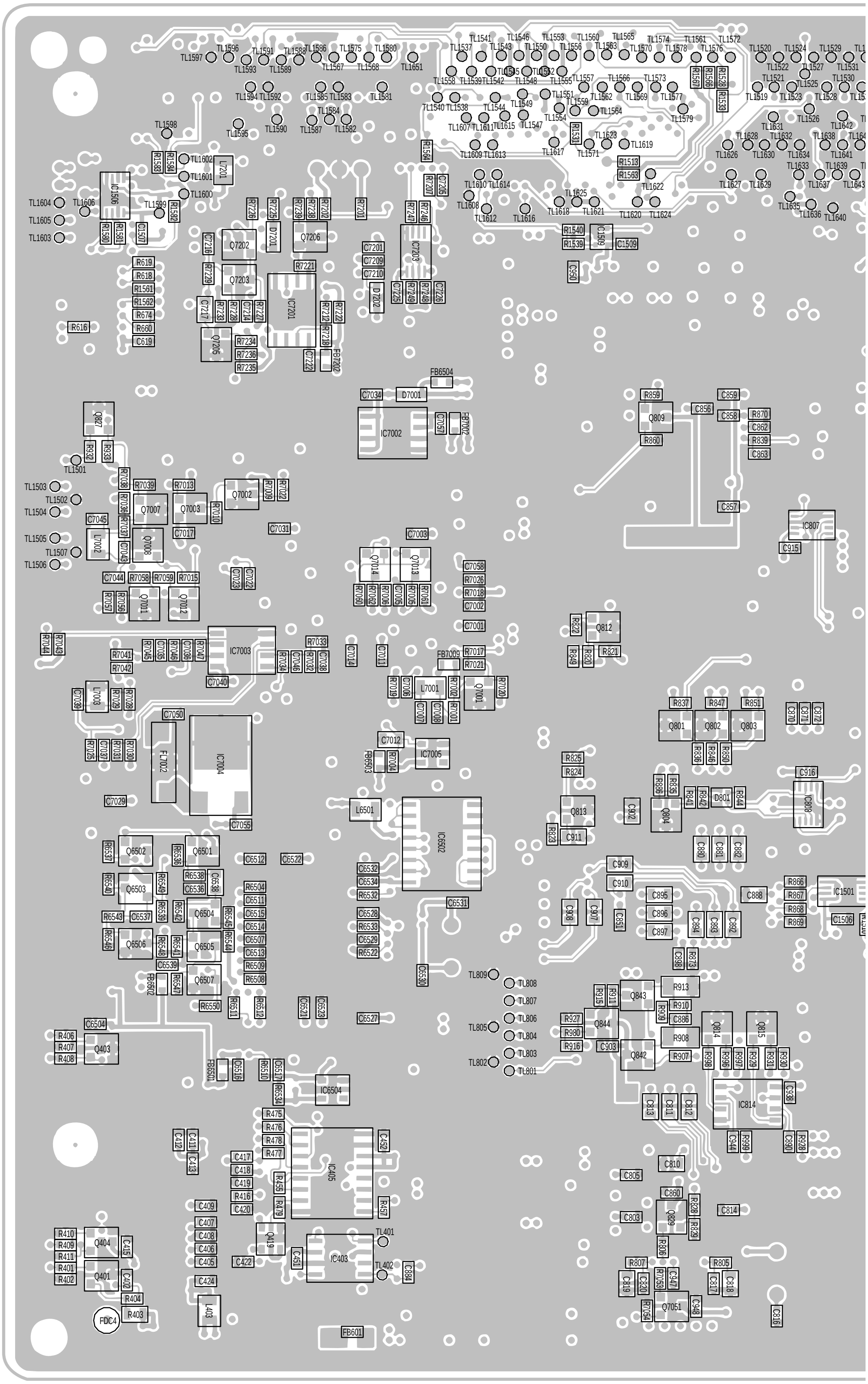
■ AVC System


H
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C
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10
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IC7002
IC7003
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IC6504
IC405
IC403
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IC808
IC814
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Q7203
Q7206
Q7205
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Q6501
Q6502
Q6503
Q6504
Q6505
Q6506
Q6507
Q403
Q404
Q401
Q419
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Q802
Q803
Q804
Q809
Q812
Q813
Q814
Q815
Q829
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Q843
Q844
Q827
Q7051
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L403
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FB6504
FB7002
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FB601
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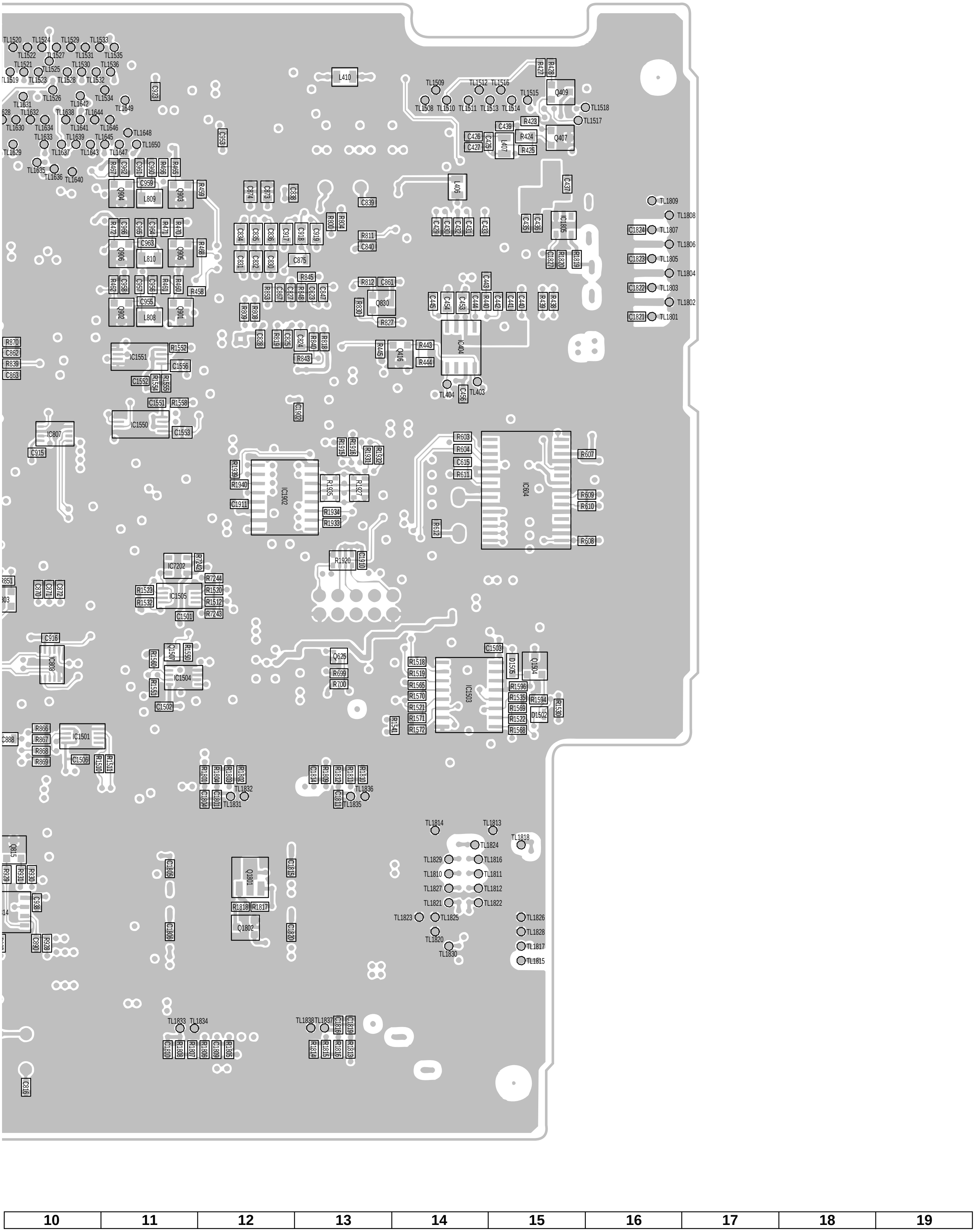
D7201
D7202
D801

MAIN Unit (Chip Parts Side-B)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TL1523
TL1528
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TL1534
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TL1638
TL1644
TL1649
TL1630
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TL1641
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TL1636
TL1640
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C953
L410
TL1509
TL1512
TL1516
TL1515
TL1508
TL1510
TL1511
TL1513
TL1514
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R428
Q409
TL1518
TL1517
R423
C439
C426
C425
R424
Q407
C427
L407
R425
L406
C437
R467
C962
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C960
R466
R465
C959
Q904
L809
Q903
R459
C874
C873
C838
C839
R472
C966
C965
C964
R471
R470
C963
Q906
L810
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R468
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C836
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C919
R800
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R811
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C830
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C431
C433
C435
C436
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C1911
IC1902
R1935
R1927
R1934
R1933
R603
R604
C615
R611
IC604
R607
R609
R610
R612
R608
R1920
C1910
IC7202
R7242
R7244
R1523
R1520
IC1505
R1532
R1512
R7243
C1501
R851
C870
C871
C872
803
C916
IC808
R1560
Q1501
R1550
IC1504
R1551
C1502
Q625
R699
R700
C1503
R1518
R1519
R1565
R1570
R1521
R1571
R1572
R1541
IC1503
D1505
Q1504
R1596
R1535
R1594
R1569
R1530
R1522
D1502
R1568
C888
R866
IC1501
R867
R868
C1506
R1510
R1511
R869
R1801
R1804
R1803
R1802
TL1832
C1804
C1801
TL1831
C1814
R1809
R1812
R1811
R1810
TL1836
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TL1835
TL1814
TL1813
TL1818
TL1824
TL1829
TL1816
TL1810
TL1811
TL1827
TL1812
TL1821
TL1822
TL1823
TL1825
TL1826
TL1828
TL1820
TL1817
TL1830
TL1815
Q815
R929
R931
R930
C938
C390
R928
C1805
Q1801
C1815
R1818
R1817
Q1802
C1806
C1820
TL1833
TL1834
C1810
R1808
R1807
R1806
C1809
R1805
TL1838
TL1837
C1816
C1819
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R1813
C316
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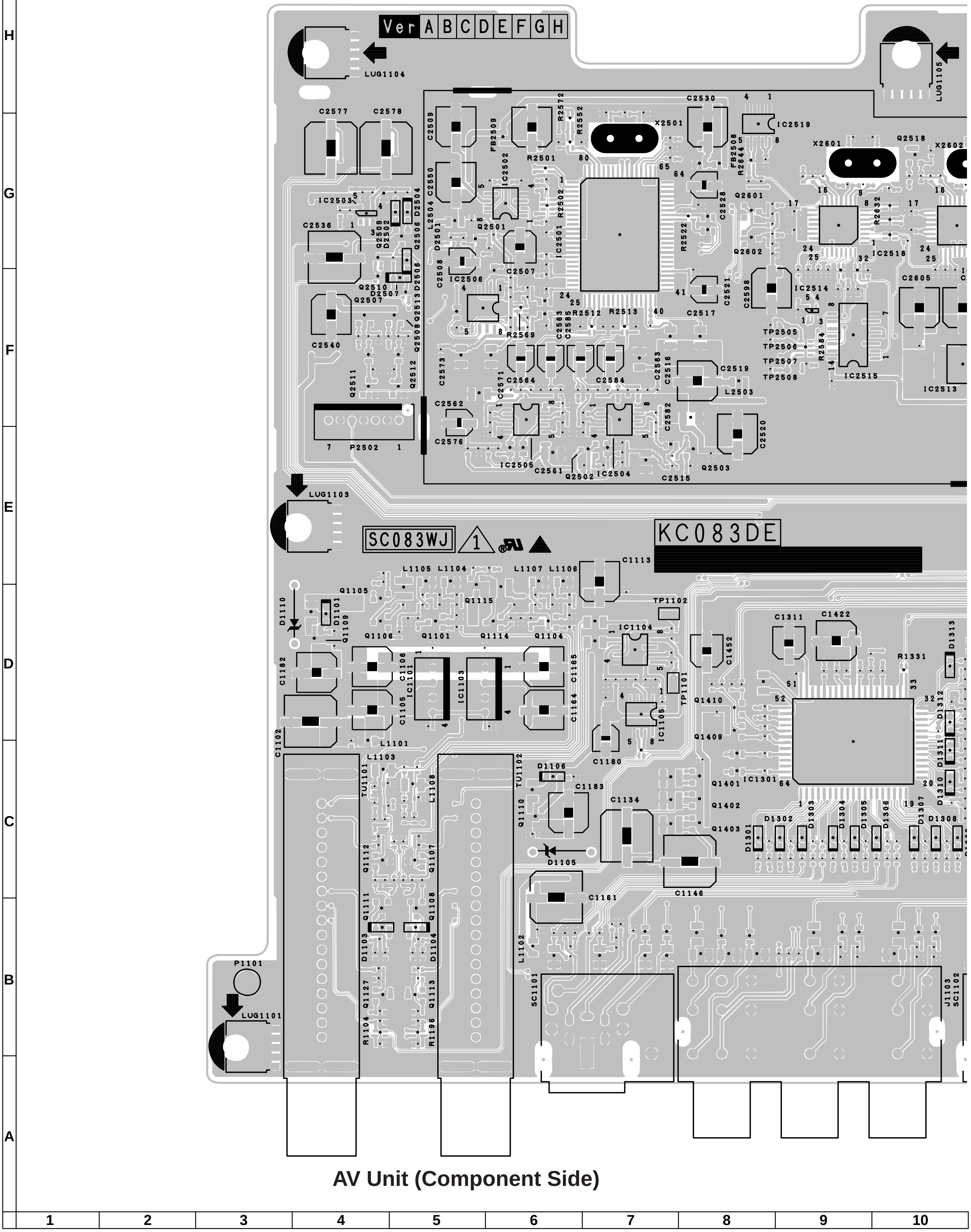
■ AVC System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LUG1105
LUG1103
LUG1101
C2577
C2578
C2509
FB2509
R2572
R2552
C2530
IC2519
X2501
X2601
Q2518
X2602
R2501
IC2502
C2550
IC2503
C2536
L2504
D2501
D2504
Q2506
Q2509
D2502
Q2501
R2502
IC2501
R2522
C2528
Q2601
Q2602
FB2508
R2646
R2632
IC2518
IC2506
C2508
C2507
Q2510
D2507
Q2507
Q2513
D2506
Q2508
C2540
Q2511
Q2512
C2573
C2563
C2585
R2512
R2513
R2569
C2521
C2598
C2517
IC2514
TP2505
TP2506
TP2507
TP2508
R2584
IC2515
C2605
IC2513
C2564
C2584
C2583
C2516
C2519
L2503
C2571
C2562
C2576
IC2505
C2561
Q2502
IC2504
C2582
C2515
Q2503
C2520
P2502
SC083WJ
KC083DE
L1105
L1104
L1107
L1106
C1113
Q1105
Q1115
TP1102
D1110
D1101
Q1109
IC1104
Q1106
Q1101
Q1114
Q1104
C1452
C1311
C1422
D1313
R1331
C1182
C1106
IC1101
IC1103
C1165
C1105
C1164
IC1105
TP1101
Q1410
Q1409
C1102
L1101
C1180
L1103
TU1101
L1108
TU1102
D1106
C1183
Q1110
C1134
Q1401
IC1301
Q1402
Q1403
D1312
D1311
D1310
D1301
D1302
D1303
D1304
D1305
D1306
D1307
D1308
Q1112
Q1107
D1105
C1146
C1161
Q1111
Q1108
D1103
D1104
L1102
P1101
Q1127
Q1113
R1104
R1196
SC1101
J1103
SC1102
H
G
F
E
D
C
B
A
1
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3
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5
6
7
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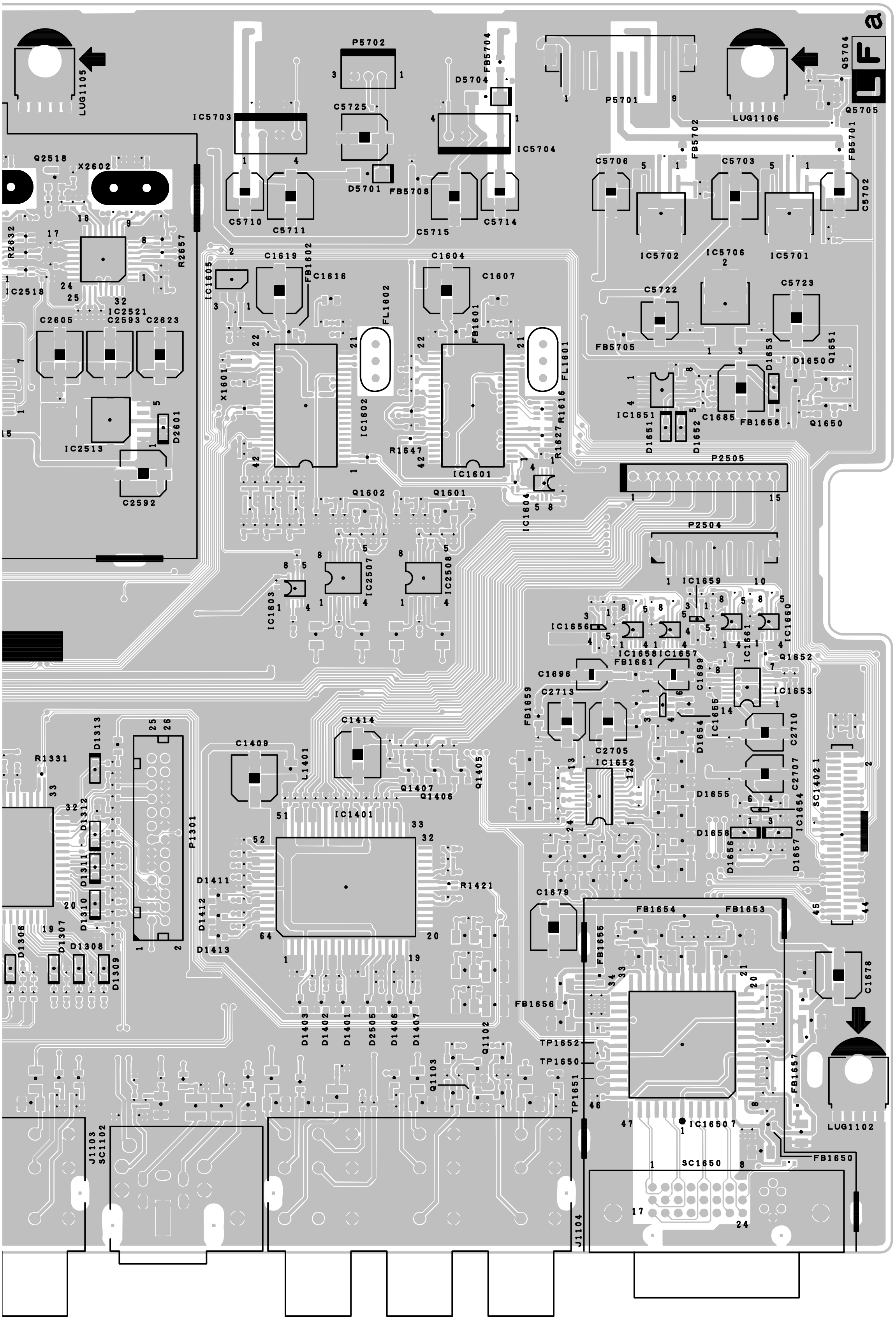
9
10

AV Unit (Component Side)


L F a
LUG1105
P5702
FB5704
D5704
IC5703
C5725
IC5704
D5701
FB5708
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C5715
C5714
P5701
LUG1106
Q5704
Q5705
FB5702
FB5701
C5706
C5703
C5702
IC5702
IC5706
IC5701
Q2518
X2602
R2632
R2657
IC2518
IC2521
C2605
C2593
C2623
IC2513
D2601
C2592
IC1605
C1619
FB1602
C1616
C1604
C1607
FL1602
FB1601
FL1601
X1601
IC1602
R1647
IC1601
R1616
R1627
IC1604
Q1602
Q1601
IC2507
IC2508
IC1603
C5722
C5723
FB5705
D1653
D1650
Q1651
IC1651
C1685
FB1658
Q1650
D1651
D1652
P2505
P2504
IC1659
IC1656
IC1658
IC1657
IC1661
IC1660
FB1661
Q1652
C1696
C1699
IC1653
C2713
FB1659
IC1655
D1654
C2710
C2705
IC1652
C2707
SC1402
D1655
IC1654
D1658
D1656
D1657
C1414
C1409
L1401
Q1405
Q1407
Q1406
IC1401
R1421
R1331
D1313
D1312
D1311
D1310
D1306
D1307
D1308
D1309
P1301
D1411
D1412
D1413
D1403
D1402
D1401
D2505
D1406
D1407
Q1102
Q1103
C1679
FB1654
FB1653
FB1655
C1678
FB1656
TP1652
TP1650
TP1651
IC1650
FB1657
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SC1650
J1103
SC1102
J1104

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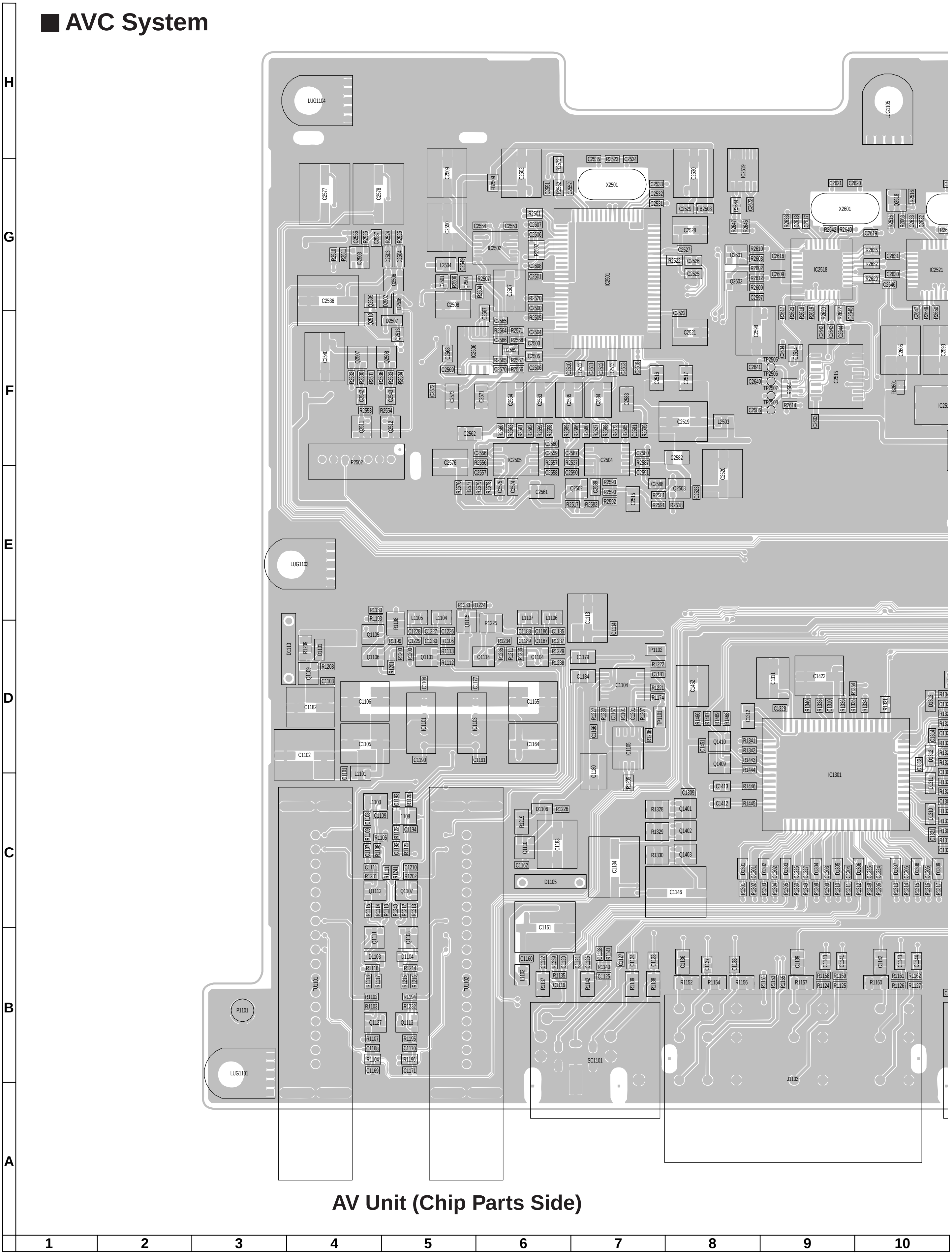
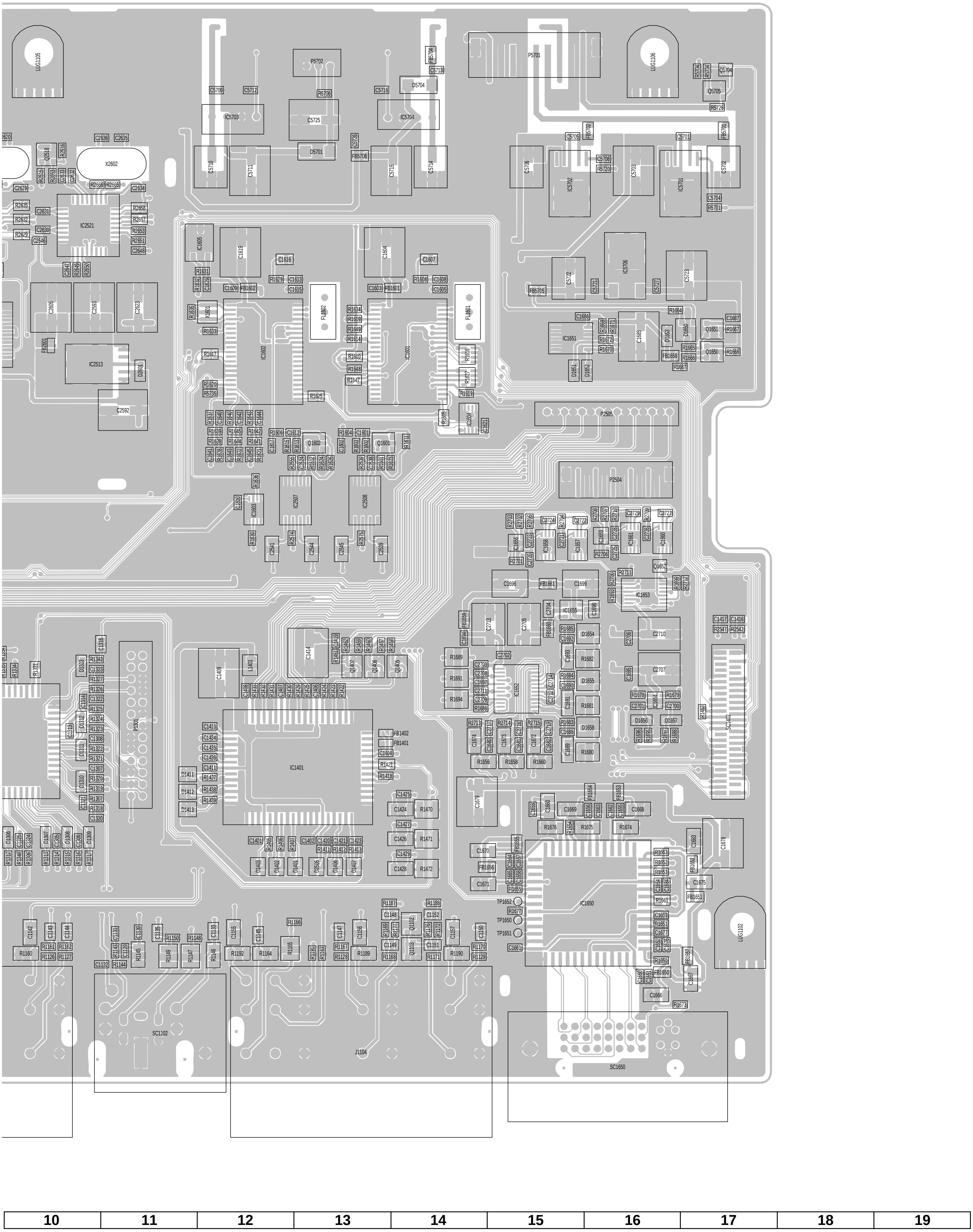
■ AVC System


H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
LUG1104
LUG1105
LUG1103
LUG1101
IC2501
IC2502
IC2518
IC2521
IC2505
IC2504
IC1301
IC1104
IC1101
IC1103
IC1105
X2501
X2601
P2502
P1101
SC1101
J1103
TJ1101
TJ1102

AV Unit (Chip Parts Side)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P5702
P5701
LUG1106
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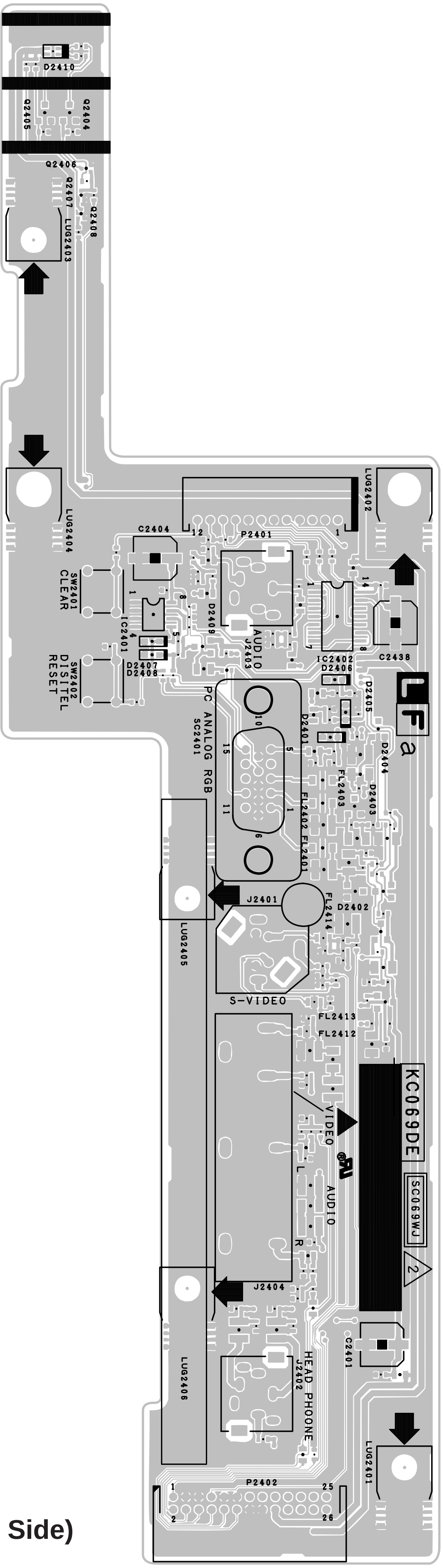
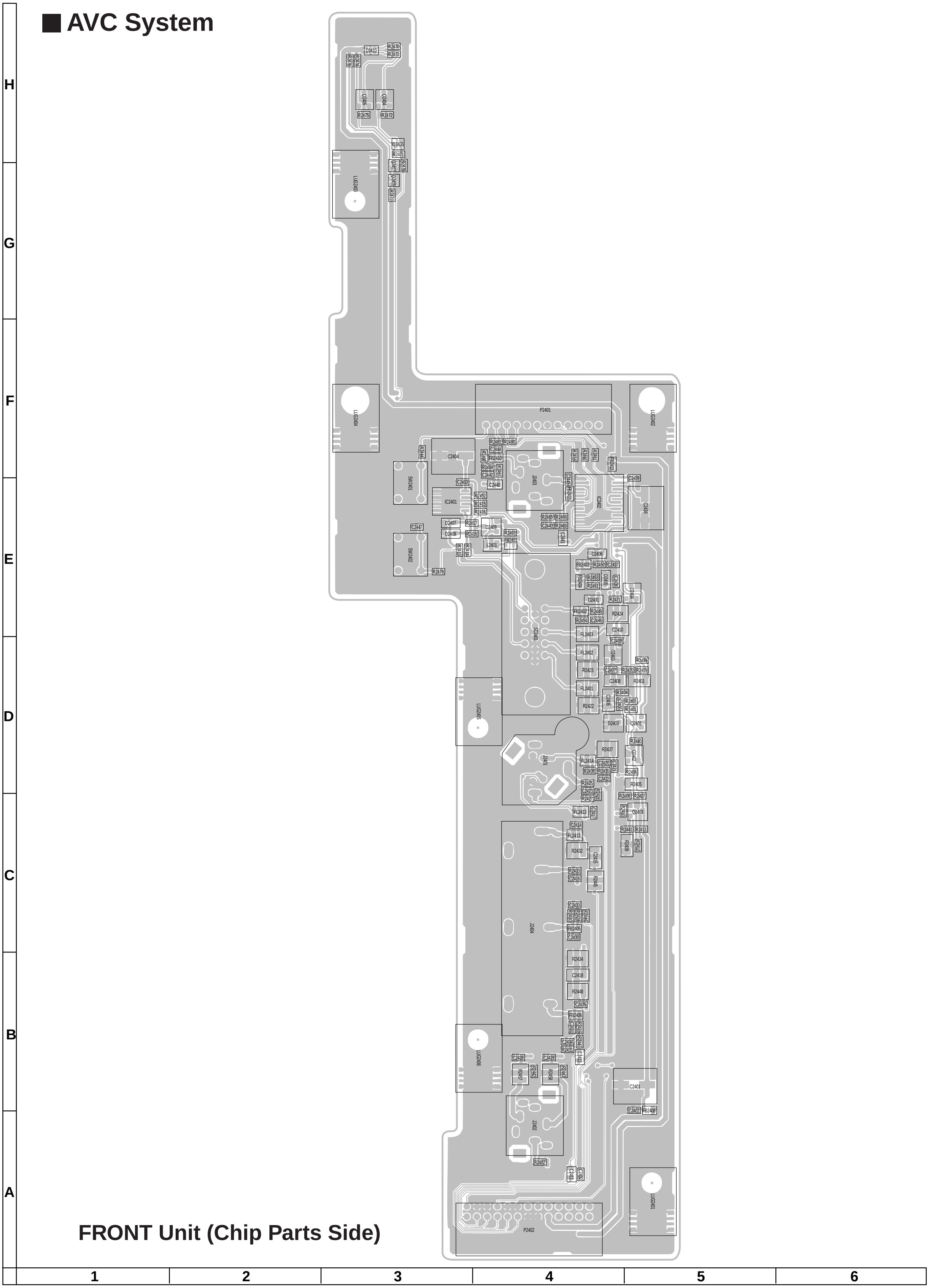
IC5704
C5725
D5701
D5704
X2602
IC2521
IC2513
C2592
C2605
C2593
C2623
IC5702
IC5701
IC5706
C5722
C5723
IC1602
IC1601
FL1602
FL1601
X1601
Q1602
Q1601
IC1651
IC1685
P2505
P2504
IC2507
IC2508
IC1603
IC1661
IC1653
IC1655
C1696
C1699
C2713
C2705
C2710
C2707
IC1652
SC1402
P1301
C1409
C1414
IC1401
D1411
D1412
D1413
C1679
IC1650
C1678
LUG1102
SC1102
J1104
SC1650
10
11
12
13
14
15
16
17
18
19

■ AVC System


H
G
F
E
D
C
B
A
1
2
3
4
5
6
D2410
Q2405
Q2404
Q2406
Q2407
Q2408
LUG2403
LUG2404
LUG2402
C2404
P2401
12
1
SW2401
CLEAR
IC2401
D2409
AUDIO
J2403
IC2402
D2406
C2438
SW2402
DISITEL
RESET
D2407
D2408
PC ANALOG RGB
SC2401
D2405
D2401
D2404
FL2403
D2403
FL2402
FL2401
LF
a
J2401
FL2414
D2402
LUG2405
S-VIDEO
FL2413
FL2412
KC069DE
SC069WJ
2
VIDEO
L
AUDIO
R
J2404
C2401
HEAD PHOONE
J2402
LUG2406
LUG2401
P2402
1
2
25
26

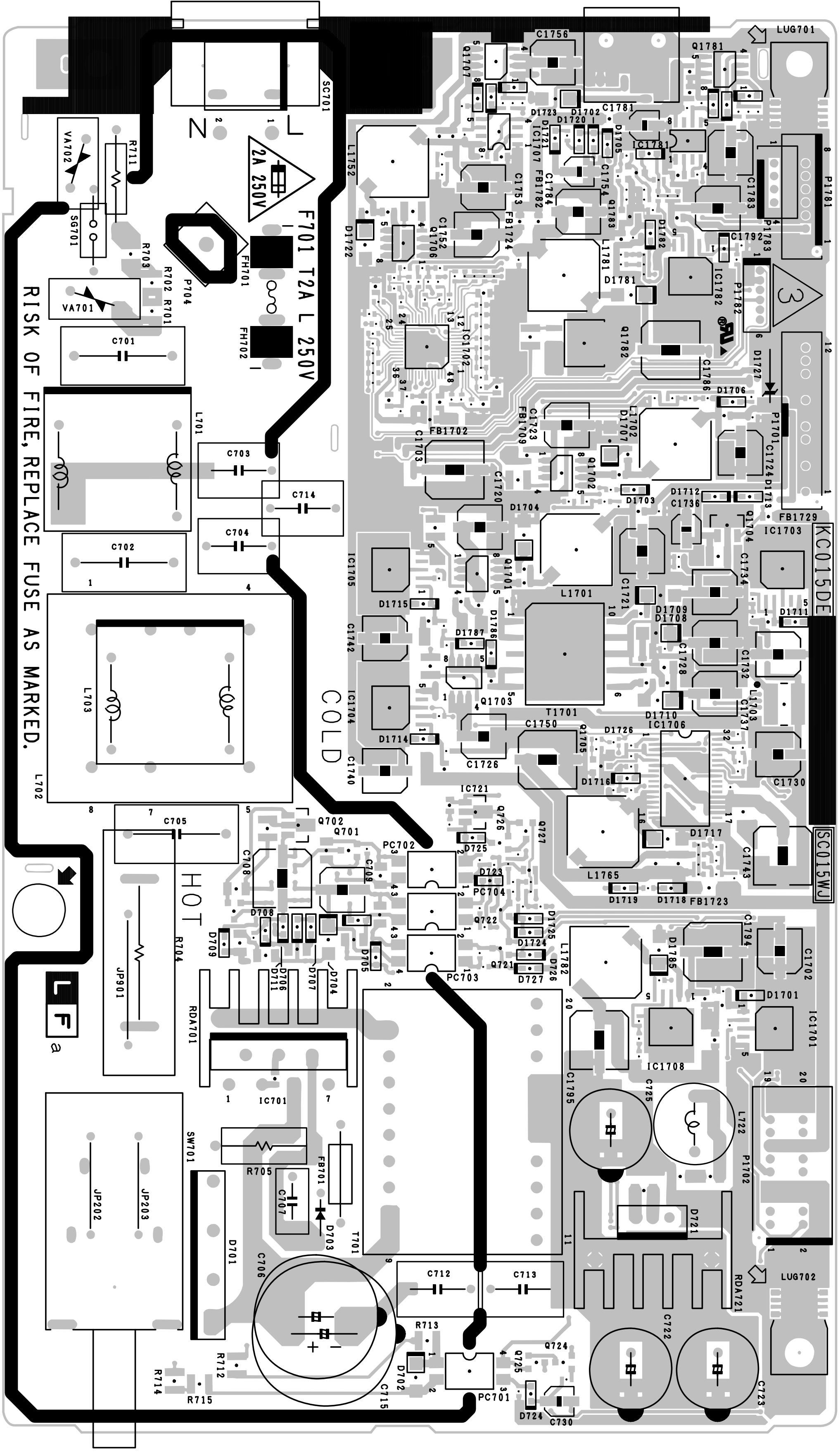
FRONT Unit (Component Side)

■ AVC System


H
G
F
E
D
C
B
A
1
2
3
4
5
6
P2401
P2402
IC2401
IC2402
SW2401
SW2402
SC2401
J2401
J2402
J2403
J2404
LUG2401
LUG2402
LUG2403
LUG2404
LUG2405
LUG2406
C2401
C2404
C2438

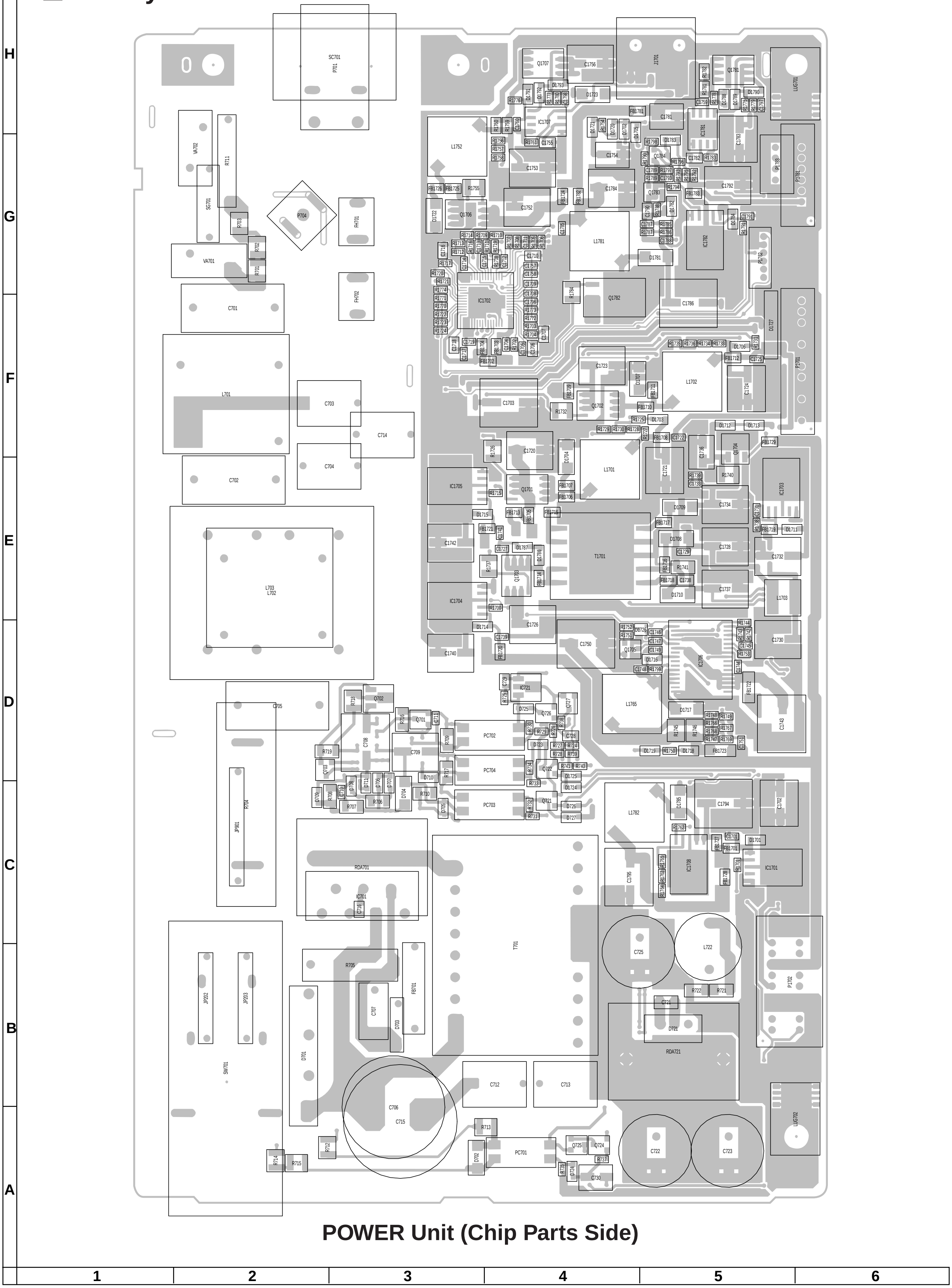
FRONT Unit (Chip Parts Side)

■ AVC System


H
G
F
E
D
C
B
A
1
2
3
4
5
6
SC701
N
L
2A 250V
F701 T2A L 250V
RISK OF FIRE, REPLACE FUSE AS MARKED.
VA702
R711
SG701
R703
R702
R701
P704
FH701
FH702
VA701
C701
L701
C703
C714
C704
C702
L703
L702
C705
JP901
R704
HOT
COLD
L F
a
D708
D709
D706
D711
D707
D704
D705
RDA701
IC701
SW701
R705
FB701
C707
D703
T701
D701
C706
JP202
JP203
C712
C713
R713
R712
R714
R715
D702
C715
PC701
PC702
PC703
PC704
Q701
Q702
C708
C709
Q721
Q722
Q724
Q725
Q726
Q727
D723
D724
D725
D726
D727
C730
C722
C723
C725
D721
RDA721
LUG701
LUG702
L722
P1702
L1752
D1722
C1752
Q1706
Q1707
IC1702
FB1702
C1703
C1720
C1723
FB1709
C1756
D1723
D1702
D1720
D1721
IC1707
FB1782
C1753
C1784
FB1724
C1754
Q1783
C1781
D1705
IC1781
D1782
L1781
D1781
Q1781
Q1782
P1781
C1783
P1783
C1792
IC1782
P1782
C1786
D1727
D1706
L1702
D1707
P1701
C1724
D1713
Q1702
D1703
D1712
C1736
FB1729
IC1703
Q1704
C1734
KC015DE
IC1705
D1715
C1742
D1787
D1786
Q1701
D1704
L1701
C1721
D1709
D1708
D1711
C1728
C1732
L1703
C1737
IC1704
D1714
C1740
Q1703
T1701
C1750
C1726
Q1705
D1726
IC1706
D1710
D1716
C1730
IC721
D1717
C1743
SC015WJ
L1765
D1719
D1718
FB1723
D1725
D1724
L1782
C1794
D1785
C1702
D1701
IC1701
IC1708
C1795

POWER Unit (Component Side)

■ AVC System


H
G
F
E
D
C
B
A
1
2
3
4
5
6
SC701
P701
VA702
R711
SG701
P704
FH701
VA701
C701
FH702
L701
C703
C714
C704
C702
L703
L702
C705
JP901
R704
RDA701
IC701
R705
FB701
C707
D703
D701
JP202
JP203
SW701
C706
C715
C712
C713
T701
PC701
R713
R714
R715
R712
D702
PC702
PC704
PC703
Q702
Q701
R718
R716
C709
C708
R719
Q7107
Q1707
C1756
J1701
Q1781
LUG701
L1752
IC1707
C1753
C1752
C1754
C1784
L1781
Q1782
C1781
IC1781
C1783
C1792
IC1782
C1786
P1781
P1782
IC1702
Q1706
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FB1725
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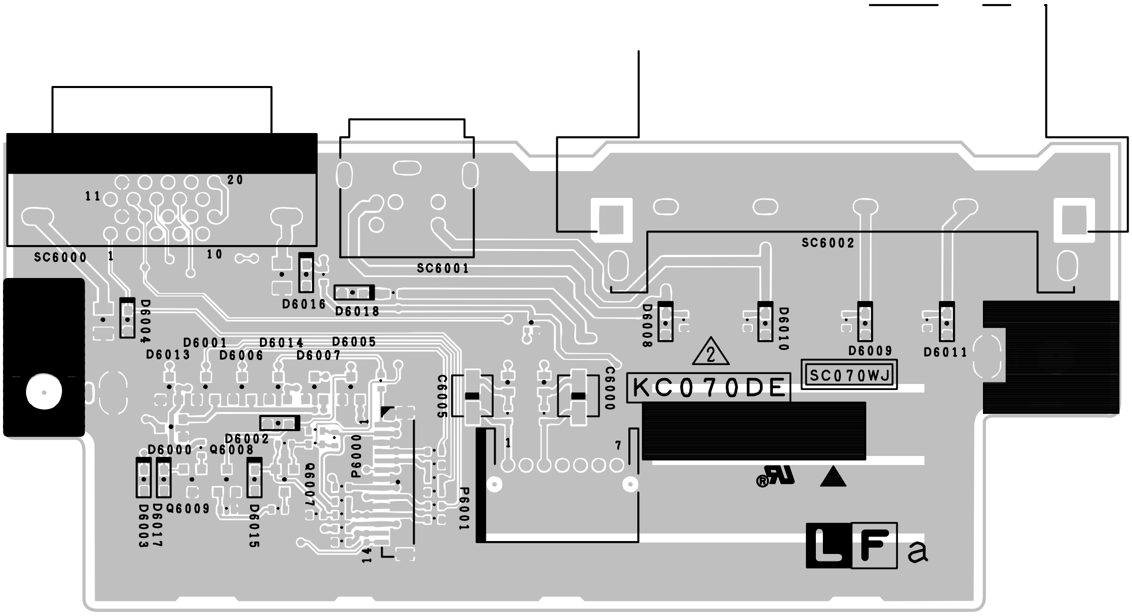
D1722
P1701
D1727
L1702
C1723
C1703
Q1702
C1724
IC1705
C1720
L1701
Q1701
IC1703
T1701
C1742
IC1704
C1740
C1726
C1750
IC1706
C1730
L1703
C1732
C1728
C1737
C1734
L1765
C1743
IC721
L1782
C1794
C1702
IC1708
IC1701
C1795
C725
L722
P1702
RDA721
D721
C722
C723
LUG702
Q725
Q724
C730
R722
R721

POWER Unit (Chip Parts Side)

■ AVC System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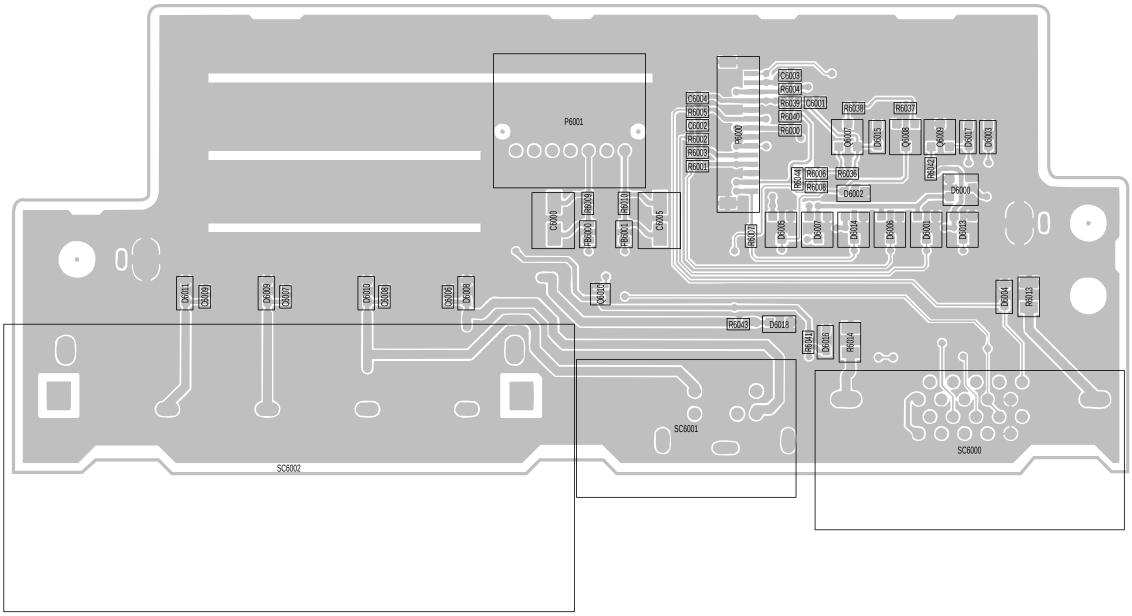
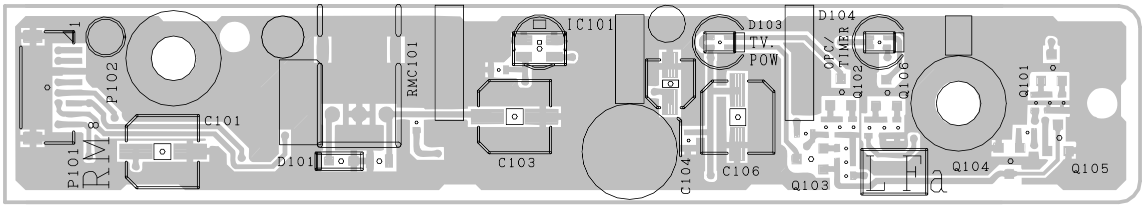
10
SC6001
SC6002
D6016
D6018
D6004
D6001
D6014
D6005
D6013
D6006
D6007
D6008
D6010
D6009
D6011
2
C6005
C6000
KC070DE
SC070WJ
D6002
D6000
Q6008
P6000
Q6007
1
7
P6001
D6003
D6017
Q6009
D6015
14
LF a

AUDIO I/F Unit (Component Side)

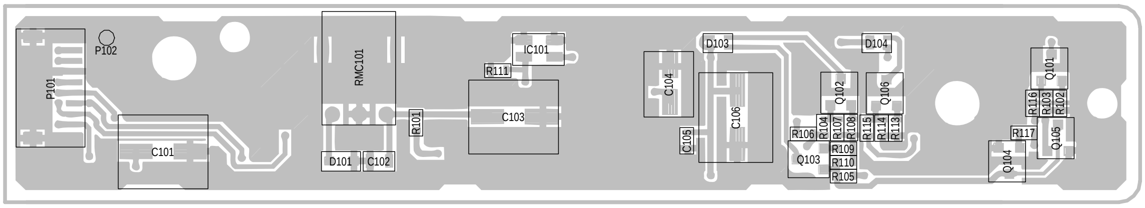

P6001
C6003
R6004
R6039
C6001
R6040
R6000
C6004
R6005
C6002
R6002
R6003
R6001
P6000
R6038
R6037
Q6007
D6015
Q6008
Q6009
D6017
D6003
R6044
R6006
R6036
R6008
R6042
D6002
D6000
C6000
FB6000
R6009
R6010
FB6001
C6005
R6007
D6005
D6007
D6014
D6006
D6001
D6013
D6011
C6009
D6009
C6007
D6010
C6008
C6006
D6008
D6004
R6013
R6043
D6018
R6041
D6016
R6014
SC6001
SC6000
SC6002

AUDIO I/F Unit (Chip Parts Side)

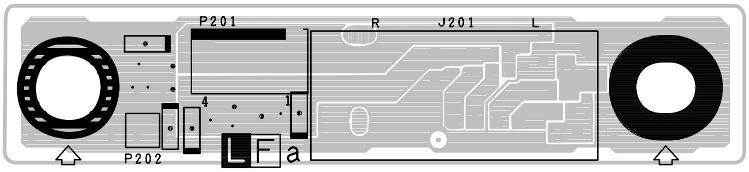
■ Display


P101
RM8
P102
C101
D101
RMC101
C103
IC101
C104
C106
D103
TV.
POW
D104
OPC/
TIMER
Q102
Q106
Q103
Q104
Q101
Q105

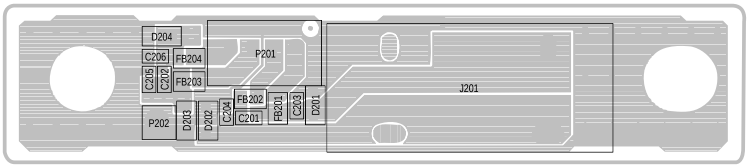
(Component Parts Side)


P102
P101
C101
RMC101
D101
C102
R101
R111
IC101
C103
C104
C105
C106
D103
D104
Q102
Q106
R106
R104
R107
R108
R115
R114
R113
R109
R110
R105
Q103
Q101
R116
R103
R102
R117
Q105
Q104

(Chip Parts Side)
R/C, LED Unit (QPWBSC021WJZZ)

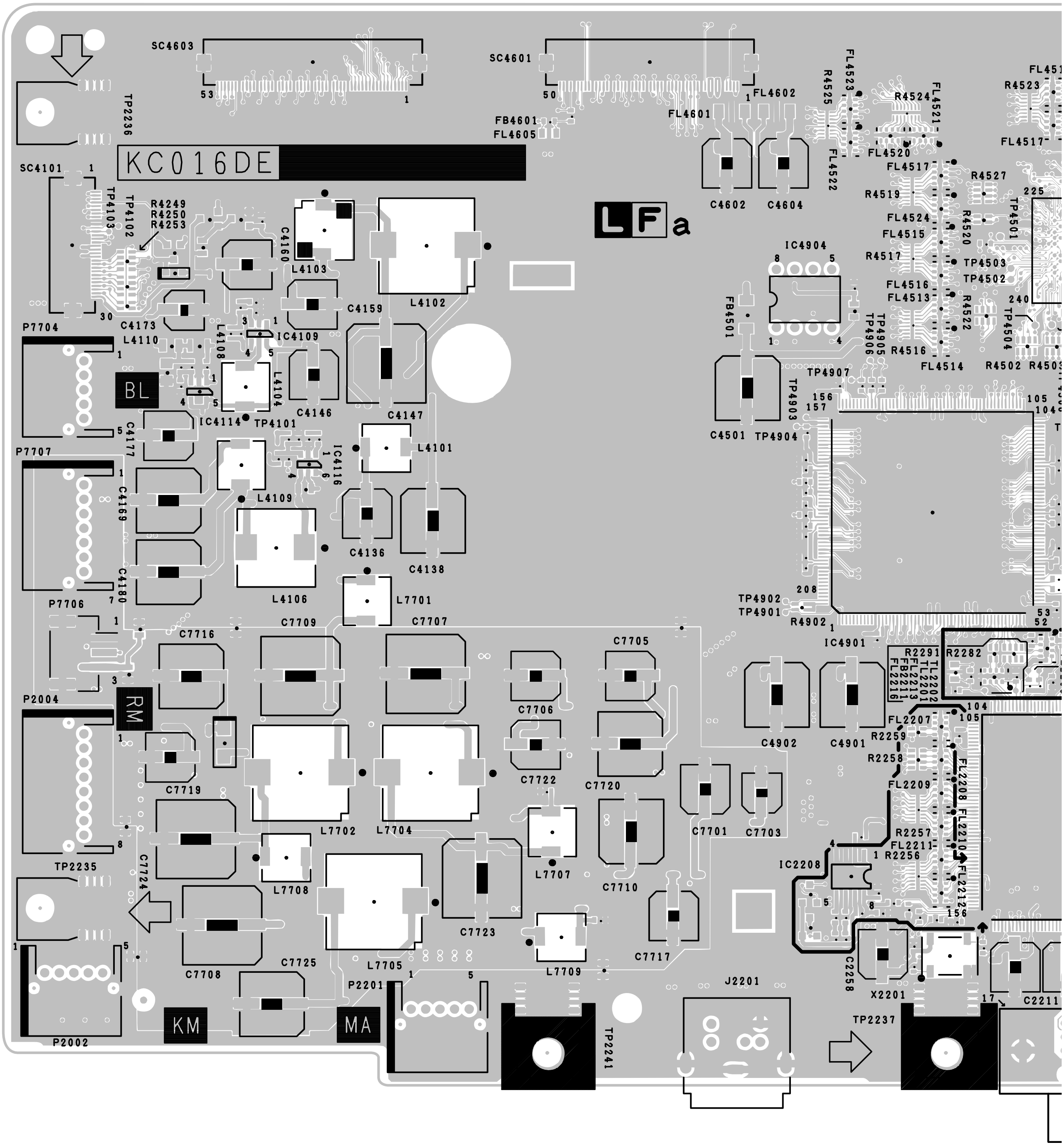

P201
R
J201
L
4
1
P202

(Component Parts Side)


D204
C206
FB204
C205
C202
FB203
P201
P202
D203
D202
C204
FB202
C201
FB201
C203
D201
J201

(Chip Parts Side)
SPEAKER JACK Unit (QPWBSC024WJZZ)

■ Display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SC4601
50
1
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KC016DE
LFa
FB4601
FL4605
FL4602
FL4601
R4525
FL4523
R4524
FL4521
R4523
FL4517
FL4520
FL4522
FL4517
R4527
R4519
225
FL4524
FL4515
R4520
TP4501
R4517
TP4503
TP4502
FL4516
FL4513
R4522
240
TP4504
R4516
FL4514
R4502
R4503
C4602
C4604
IC4904
8
5
4
FB4501
TP4905
TP4906
TP4907
TP4903
C4501
TP4904
156
157
105
104
SC4101
1
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TP4103
TP4102
R4249
R4250
R4253
C4160
L4103
L4102
C4159
C4173
L4110
L4108
IC4109
P7704
BL
L4104
C4146
C4147
IC4114
TP4101
C4177
P7707
L4101
IC4116
L4109
C4169
C4136
C4138
C4180
L4106
L7701
P7706
C7709
C7707
C7716
C7705
TP4902
TP4901
208
R4902
IC4901
53
52
R2291
R2282
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FL2216
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RM
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C4901
FL2207
R2259
R2258
C7722
C7720
FL2209
FL2208
FL2210
C7719
L7702
L7704
C7701
C7703
R2257
FL2211
R2256
IC2208
FL2212
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L7707
C7710
156
C7723
C7717
C2258
X2201
C2211
C7708
C7725
L7705
L7709
17
P2201
J2201
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KM
MA
P2002
TP2241
H
G
F
E
D
C
B
A
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2
3
4
5
6
7
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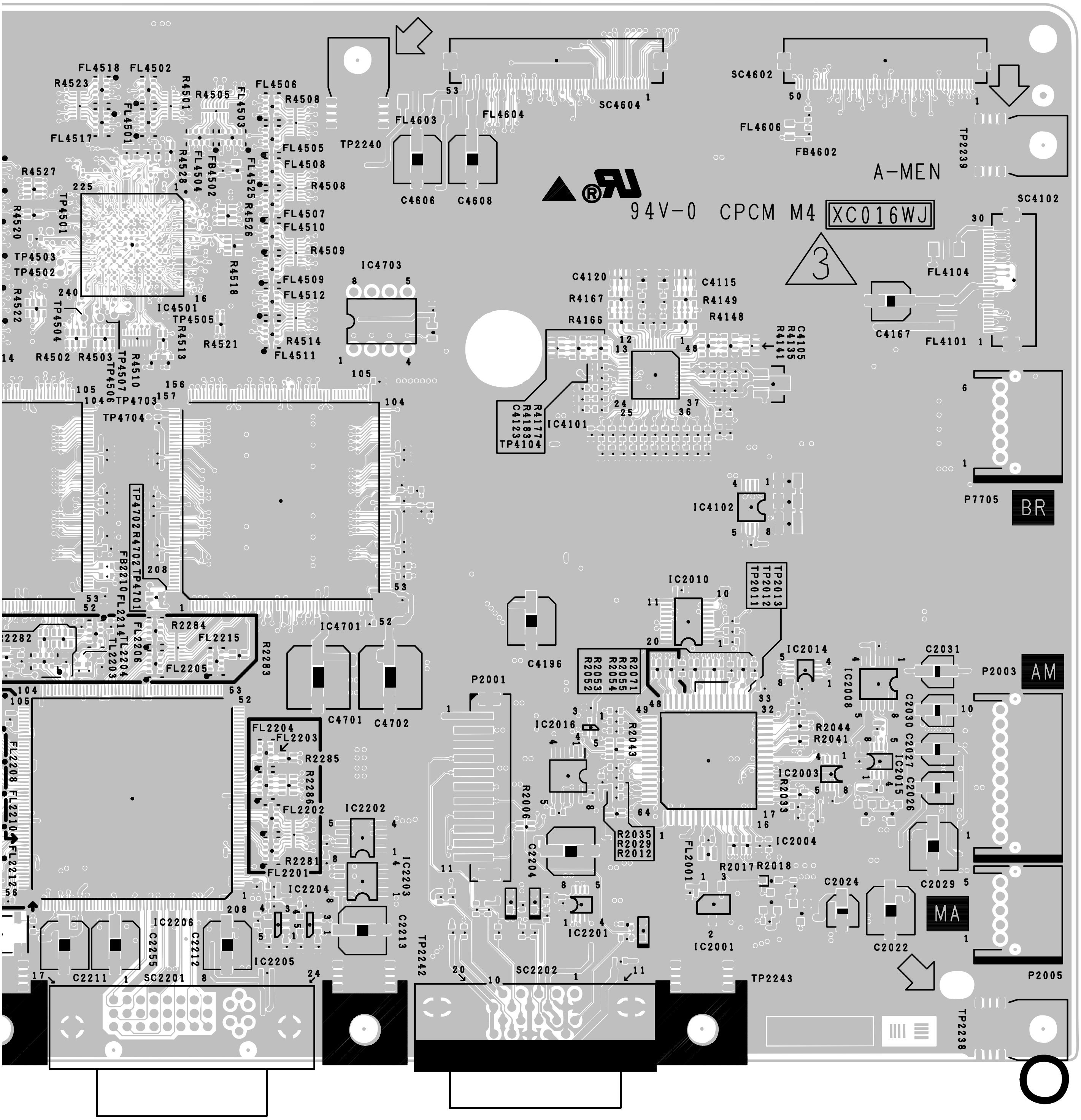
MONITOR Unit (Component Side-A)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R4505
FL4503
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R4508
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FL4504
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R4528
FL4525
R4526
FL4505
FL4508
R4508
R4527
225
TP4501
R4520
FL4507
FL4510
R4509
TP4503
TP4502
R4518
FL4509
FL4512
R4522
240
16
IC4501
TP4505
TP4504
R4513
R4521
R4514
FL4511
R4502
R4503
TP4507
TP4506
R4510
TP2240
FL4603
FL4604
C4606
C4608
SC4604
53
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SC4602
50
1
FL4606
FB4602
TP2239
A-MEN
94V-0 CPCM M4
XC016WJ
3
SC4102
30
FL4104
C4167
FL4101
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IC4703
8
5
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105
C4120
C4115
R4167
R4149
R4166
R4148
C4105
R4135
R4141
12
13
1
48
24
25
37
36
R4177
R4183
C4123
TP4104
IC4101
6
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P7705
BR
105
104
156
157
TP4703
TP4704
104
TP4702
R4702
TP4701
FB2210
FL2214
208
53
52
1
53
IC4102
4
1
5
8
TP2013
TP2012
TP2011
IC2010
11
10
20
1
R2284
FL2215
FL2206
FL2204
TL2203
FL2205
R2283
2282
IC4701
52
C4196
R2071
R2055
R2054
R2053
R2052
104
105
53
52
C4701
C4702
P2001
IC2014
5
4
8
1
IC2008
C2031
P2003
AM
C2030
C2027
C2026
10
FL2208
FL2210
FL2212
56
FL2204
FL2203
R2285
R2286
FL2202
R2281
FL2201
IC2202
IC2203
IC2204
C2213
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IC2016
3
4
5
R2043
49
48
33
32
R2044
R2041
IC2003
R2033
IC2015
17
16
64
R2006
R2035
R2029
R2012
IC2004
FL2001
R2017
R2018
C2204
8
5
IC2201
C2024
C2022
C2029
MA
P2005
IC2001
2
208
IC2206
C2255
C2212
IC2205
TP2242
17
C2211
1
SC2201
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SC2202
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TP2243
TP2238

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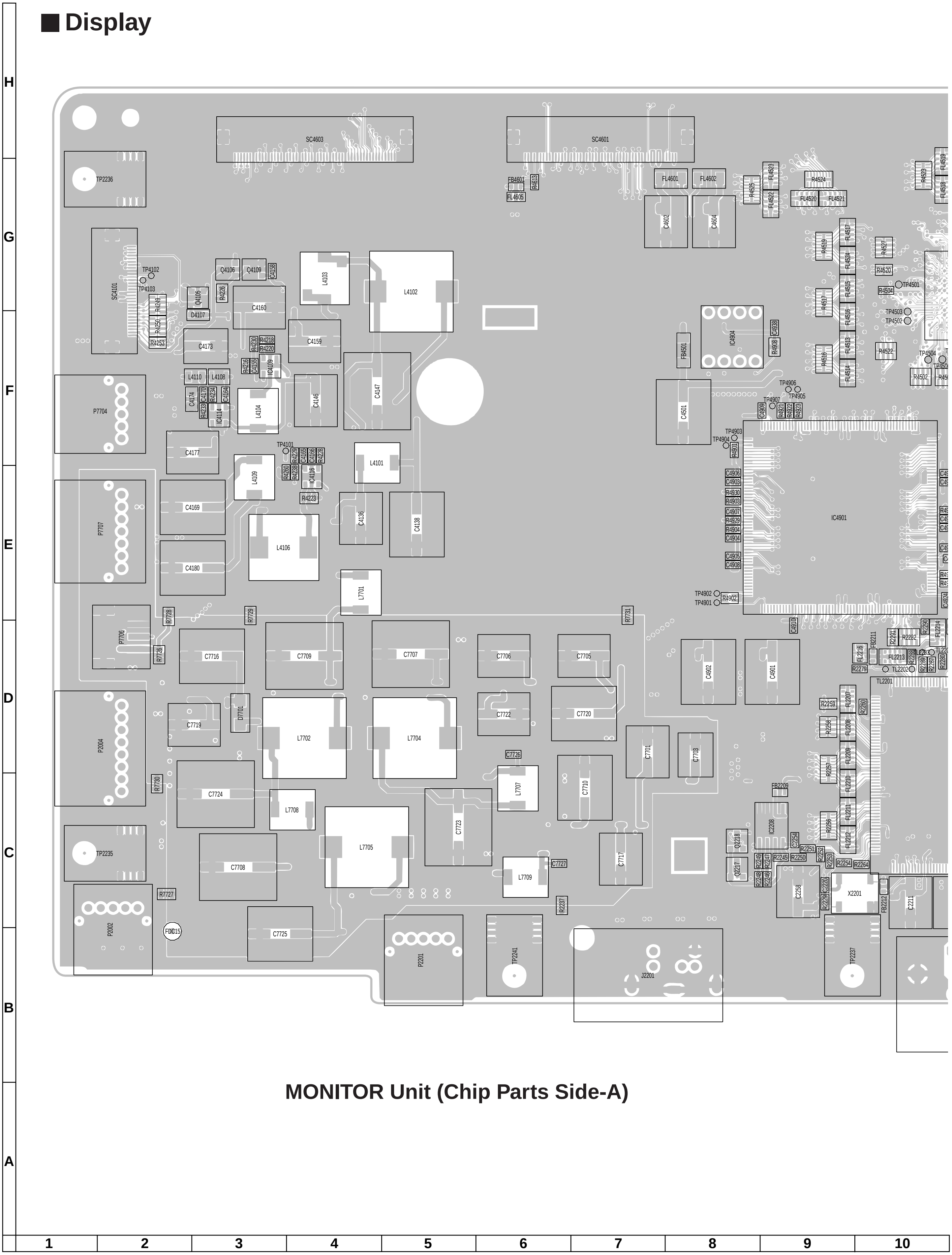
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G
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E
D
C
B
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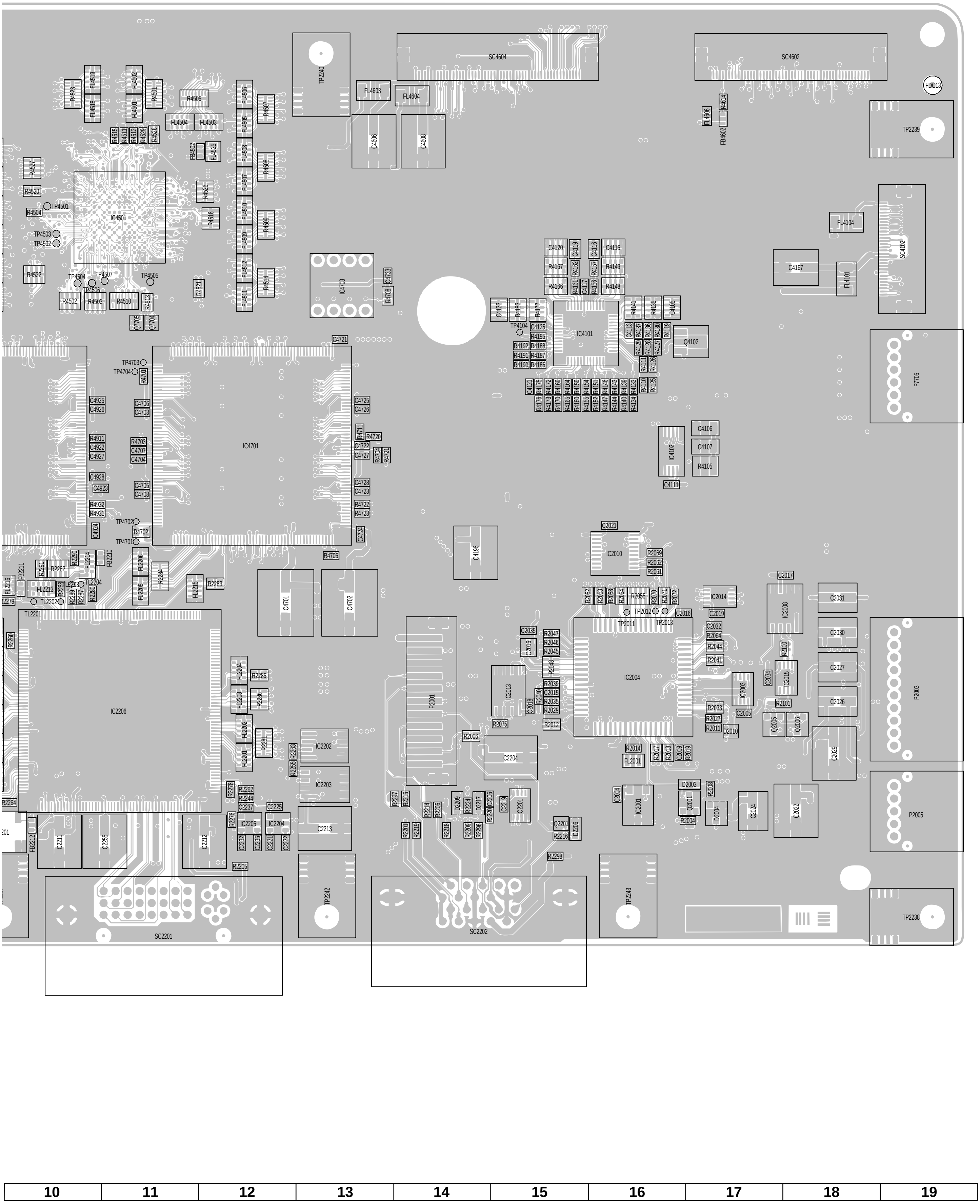
SC4601
TP2236
SC4101
TP4102
TP4103
Q4106
Q4109
C4158
L4103
L4102
Q4105
D4107
R4226
C4160
C4159
C4173
R4253
R4249
R4250
R4218
R4220
R4230
L4110
L4108
C4174
C4170
R4234
C4164
R4233
IC4114
L4104
C4146
C4147
IC4109
P7704
C4177
TP4101
L4101
L4109
R4223
C4116
P7707
C4169
C4180
L4106
C4136
C4138
L7701
P7706
R7728
R7729
R7726
C7716
C7709
C7707
C7706
C7705
R7731
C7719
D7701
L7702
L7704
C7722
C7720
P2004
R7730
C7724
L7708
C7726
L7707
C7710
C7701
C7703
TP2235
C7708
L7705
C7723
L7709
C7727
C7717
R7727
P2002
FDC15
C7725
P2201
TP2241
R2237
J2201
FB4601
R4613
FL4605
FL4601
FL4602
C4602
C4604
R4525
FL4523
FL4522
R4524
FL4520
FL4521
R4519
FL4517
FL4524
R4527
R4520
TP4501
R4504
R4517
FL4515
FL4516
TP4503
TP4502
FB4501
IC4904
C4938
R4908
R4516
FL4513
FL4514
R4522
TP4504
R4502
C4501
TP4906
TP4907
TP4905
TP4903
TP4904
R4901
IC4901
TP4902
TP4901
R4902
C4910
C4902
C4901
FB2211
R2291
R2282
FL2214
FL2216
FL2213
R2279
TL2202
TL2201
R2259
R2256
FL2207
FL2208
FL2209
R2257
FB2209
FL2210
FL2211
IC2208
R2258
FL2212
Q2218
Q2217
C2254
R2245
R2250
R2251
R2252
R2253
R2254
R2264
R2248
R2246
R2249
R2247
C2258
C2220
C2229
X2201
FB2212
C2211
TP2237

MONITOR Unit (Chip Parts Side-A)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SC4602
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FL4604
C4606
C4608
FL4606
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FB4602
FDC13
TP2239
FL4104
SC4102
C4167
FL4101
P7705
IC4501
TP4501
TP4503
TP4502
TP4504
TP4507
TP4506
TP4505
R4505
FL4504
FL4503
FL4502
FL4501
FL4518
FL4519
R4523
R4501
R4527
R4520
R4504
R4522
R4502
R4503
R4510
R4513
R4521
R4526
R4518
R4507
R4508
R4509
R4514
FL4506
FL4505
FL4508
FL4507
FL4510
FL4509
FL4512
FL4511
IC4703
C4733
R4708
C4120
C4119
C4116
C4115
R4167
R4149
R4166
R4148
C4123
R4183
R4177
TP4104
IC4101
R4141
R4135
C4105
Q4102
C4106
C4107
R4105
IC4102
C4111
C4721
TP4703
TP4704
R4701
IC4701
C4925
C4926
C4706
C4703
R4911
C4922
C4927
R4703
C4707
C4704
C4928
C4923
C4705
C4708
R4932
R4931
C4924
TP4702
R4702
TP4701
C4725
C4726
R4711
R4720
C4722
C4727
R4704
R4721
C4728
C4723
R4722
R4723
C4724
R4705
C4196
C4701
C4702
C2021
IC2010
R2069
R2062
R2061
C2017
C2014
C2019
C2031
C2030
C2027
C2026
IC2008
TP2012
TP2013
TP2011
C2016
IC2004
C2035
R2047
R2046
R2045
R2043
R2039
C2015
R2035
R2029
R2012
IC2013
R2075
R2006
C2204
P2001
C2032
R2064
R2044
R2041
C2003
C2034
C2005
R2033
R2027
R2011
C2010
R2101
Q2005
Q2006
C2029
P2003
R2014
FL2001
R2017
R2018
D2003
R2008
IC2001
Q2001
D2004
C2024
C2022
R2004
C2004
P2005
Q2201
R2216
D2206
R2298
IC2201
TL2201
IC2206
TL2202
TL2204
FL2213
FL2216
FB2211
FL2214
FB2210
FL2206
FL2205
FL2215
R2283
R2284
R2291
R2282
R2290
R2260
R2264
R2279
FL2204
FL2203
FL2202
FL2201
R2285
R2286
R2281
IC2202
IC2203
C2213
R2278
R2262
R2244
R2237
C2225
R2276
IC2205
IC2204
C2211
C2255
C2212
FB2212
R2205
SC2201
SC2202
TP2242
TP2243
TP2238
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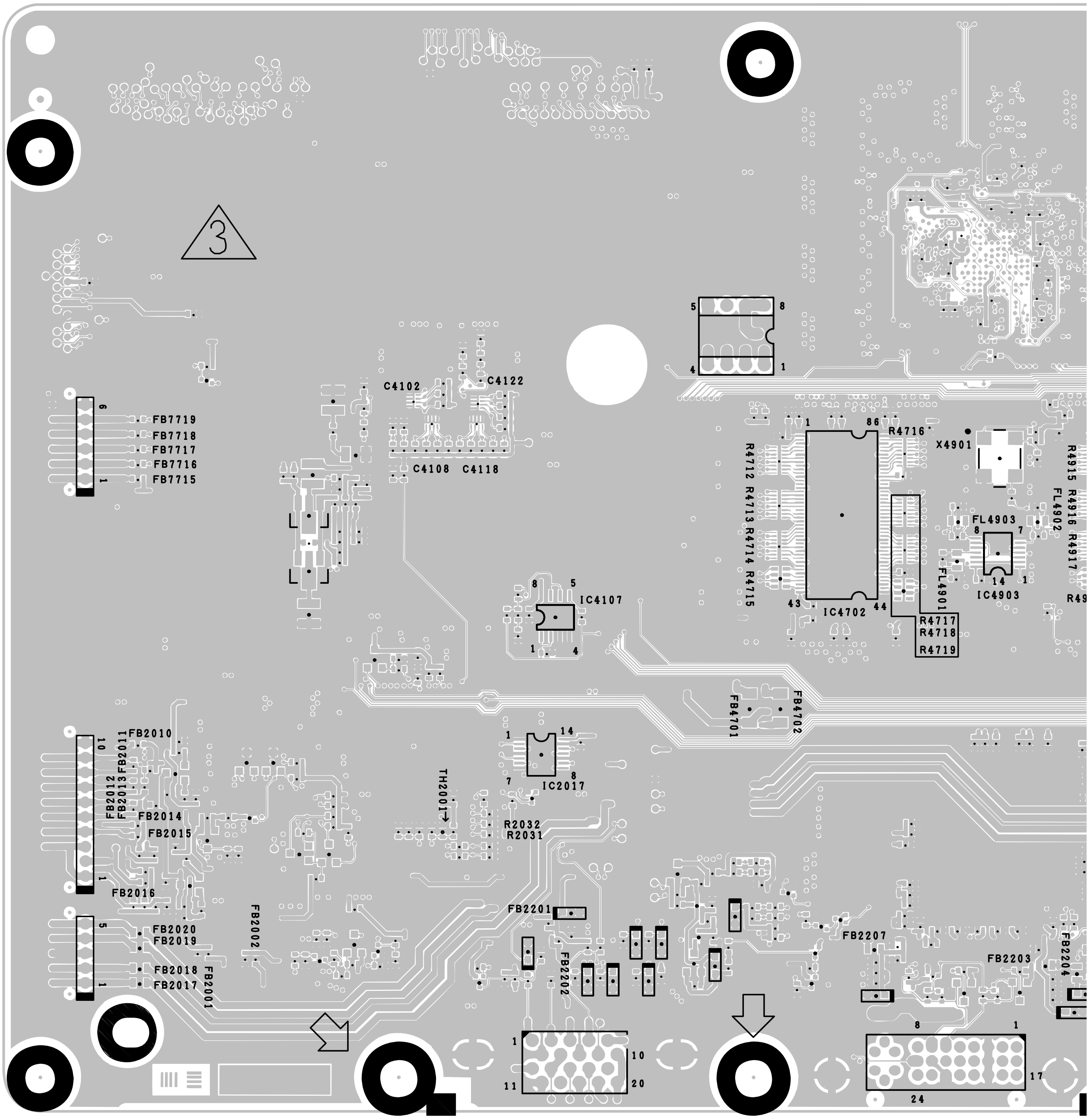
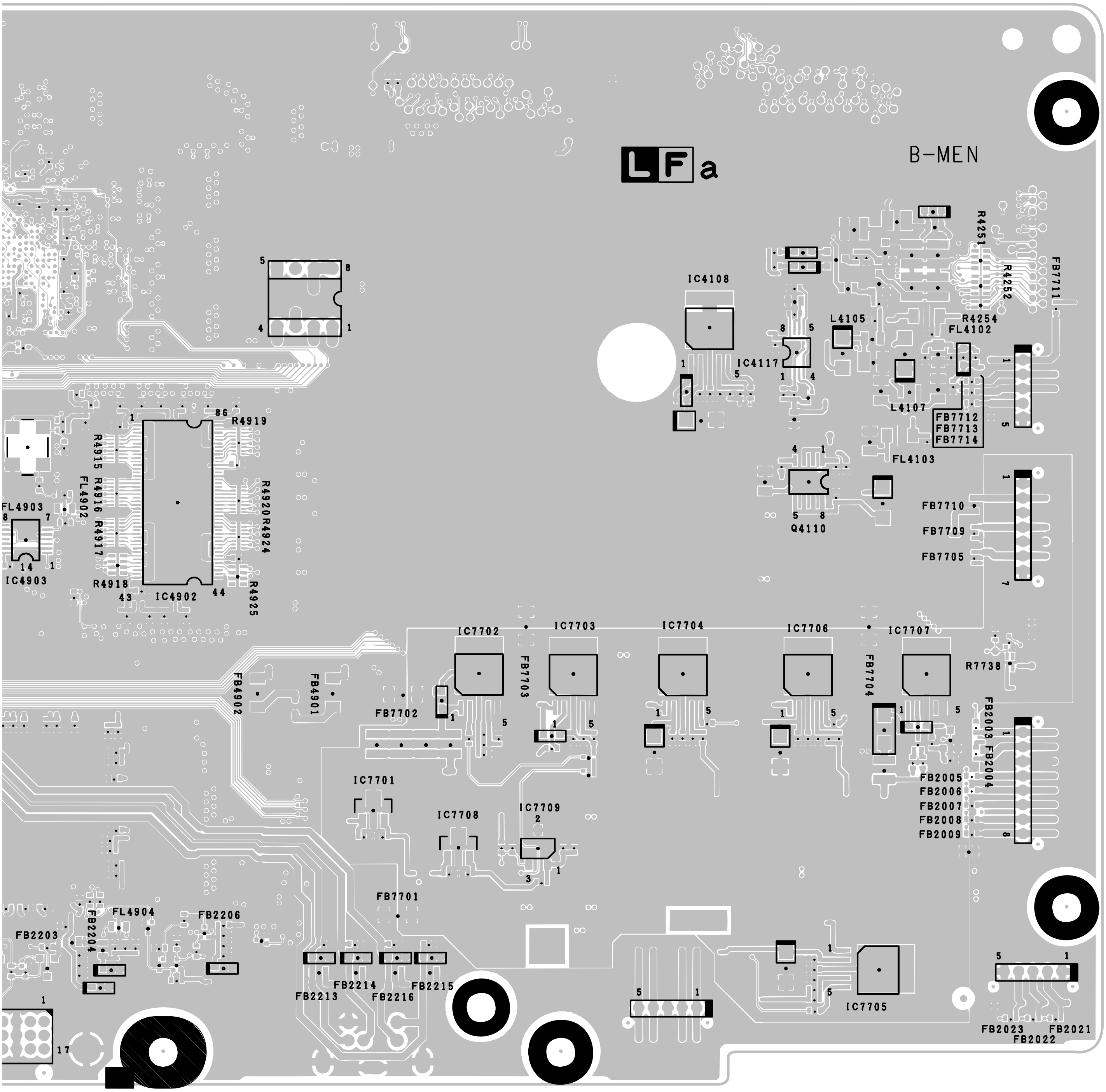
■ Display

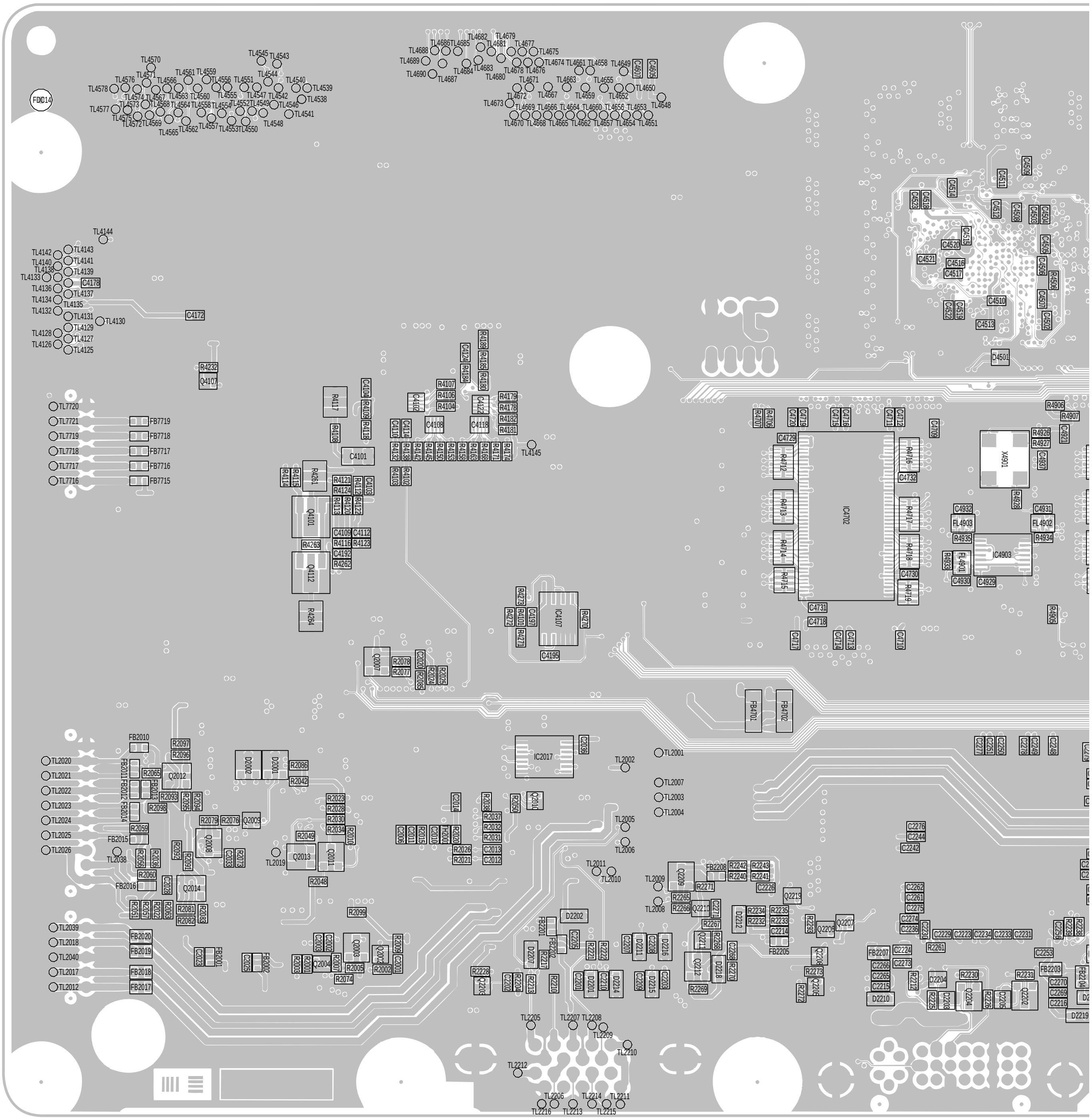

C4102
C4122
C4108
C4118
FB7719
FB7718
FB7717
FB7716
FB7715
R4716
X4901
R4915
R4916
R4917
FL4902
R4712
R4713
R4714
R4715
IC4702
FL4903
FL4901
IC4903
R4717
R4718
R4719
IC4107
FB4701
FB4702
FB2010
FB2011
FB2012
FB2013
FB2014
FB2015
FB2016
IC2017
TH2001
R2032
R2031
FB2201
FB2202
FB2207
FB2203
FB2204
FB2020
FB2019
FB2018
FB2017
FB2001
FB2002
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10

MONITOR Unit (Component Parts Side-B)

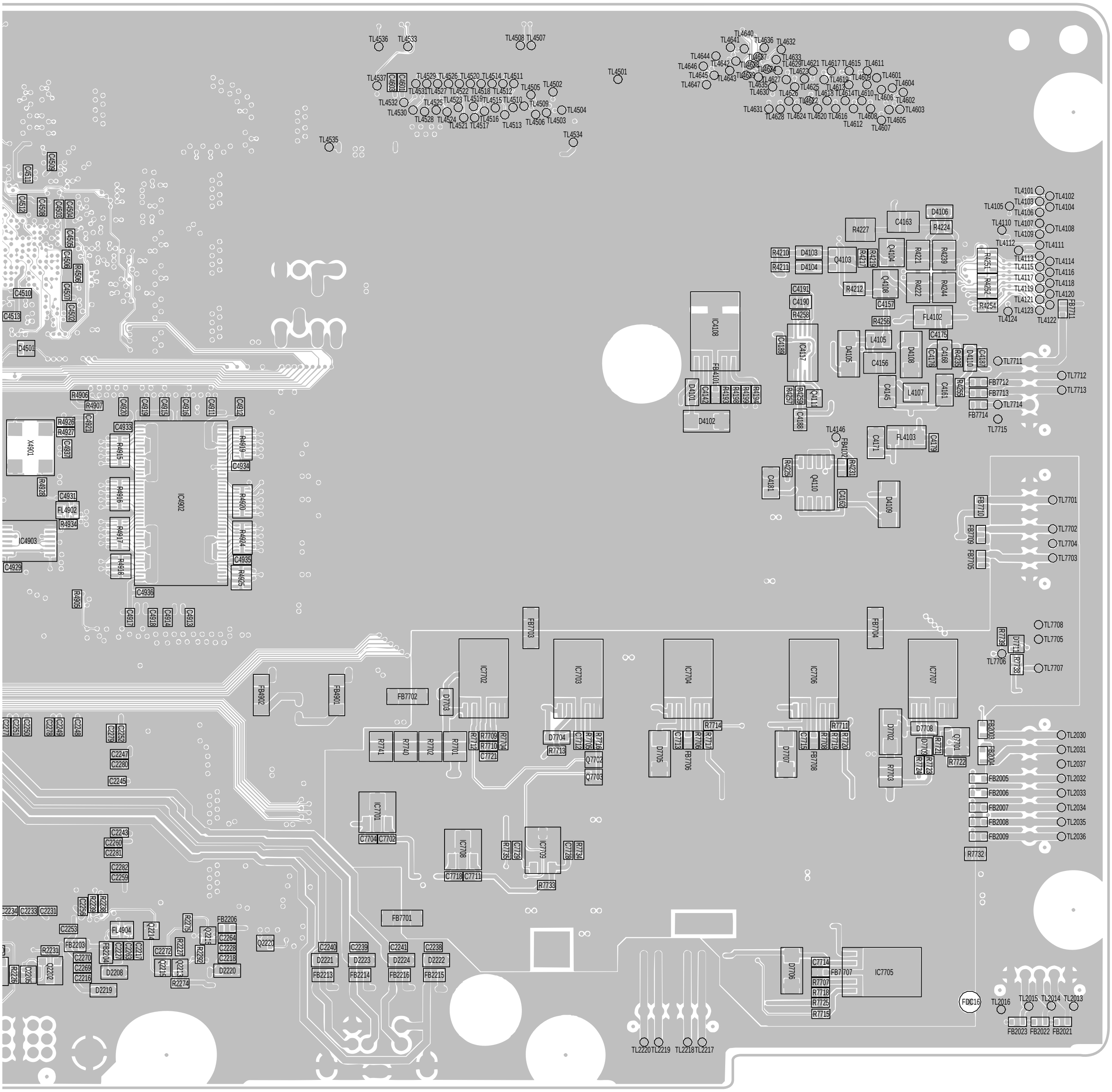

LFa
B-MEN
IC4108
IC4117
L4105
R4251
R4252
FB7711
R4254
FL4102
L4107
FB7712
FB7713
FB7714
FL4103
Q4110
FB7710
FB7709
FB7705
R4919
R4915
R4916
R4917
FL4902
FL4903
IC4903
R4918
IC4902
R4920
R4924
R4925
FB4902
FB4901
IC7702
IC7703
IC7704
IC7706
IC7707
FB7703
FB7704
FB7702
R7738
FB2003
FB2004
FB2005
FB2006
FB2007
FB2008
FB2009
IC7701
IC7708
IC7709
FB7701
FL4904
FB2206
FB2203
FB2204
FB2213
FB2214
FB2216
FB2215
IC7705
FB2023
FB2021
FB2022

10	11	12	13	14	15	16	17	18	19

■ Display


H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
IC4702
IC4903
IC2017
X4901
Q4101
Q4112
Q4107
Q2012
Q2013
Q2014
FB4701
FB4702
C4101
C4107
C4195

MONITOR Unit (Chip Parts Side-B)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TL4507
TL4501
TL4535
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TL4502
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TL4505
TL4509
TL4503
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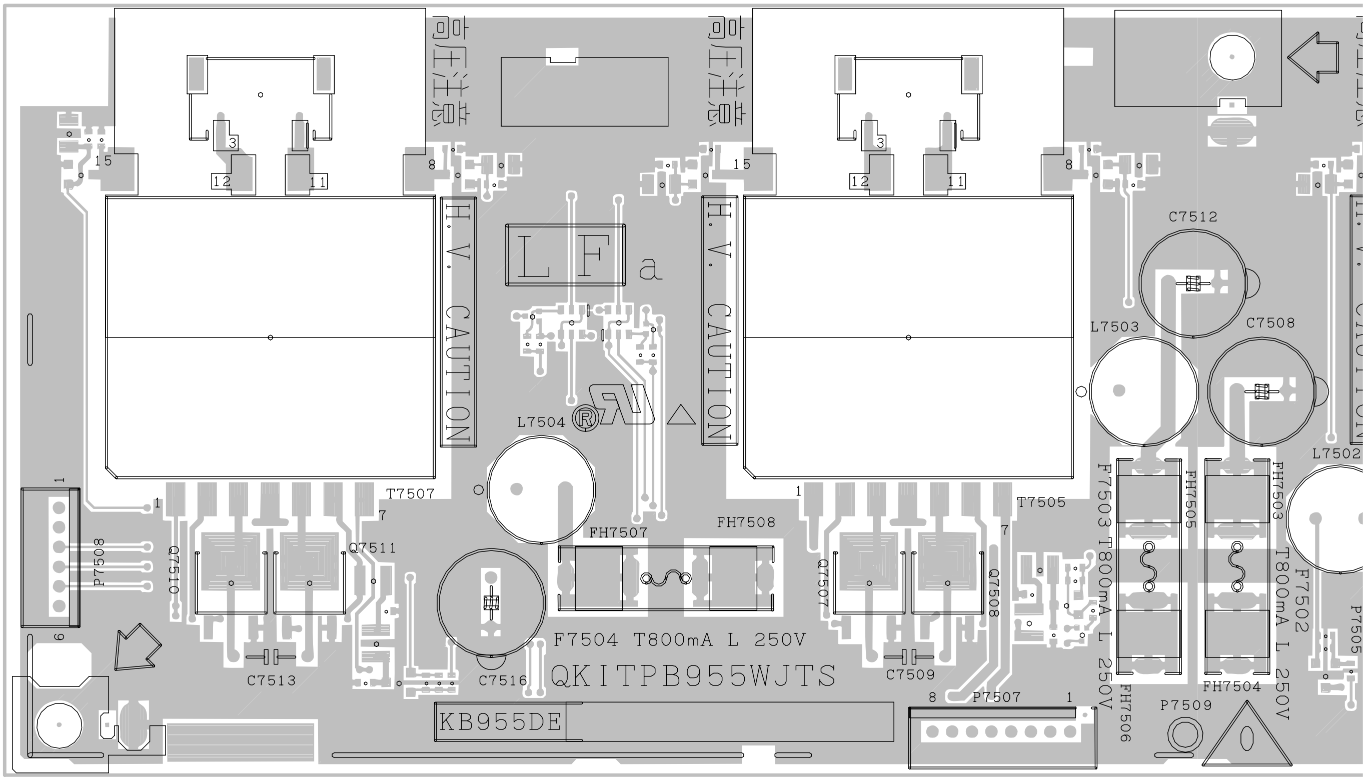
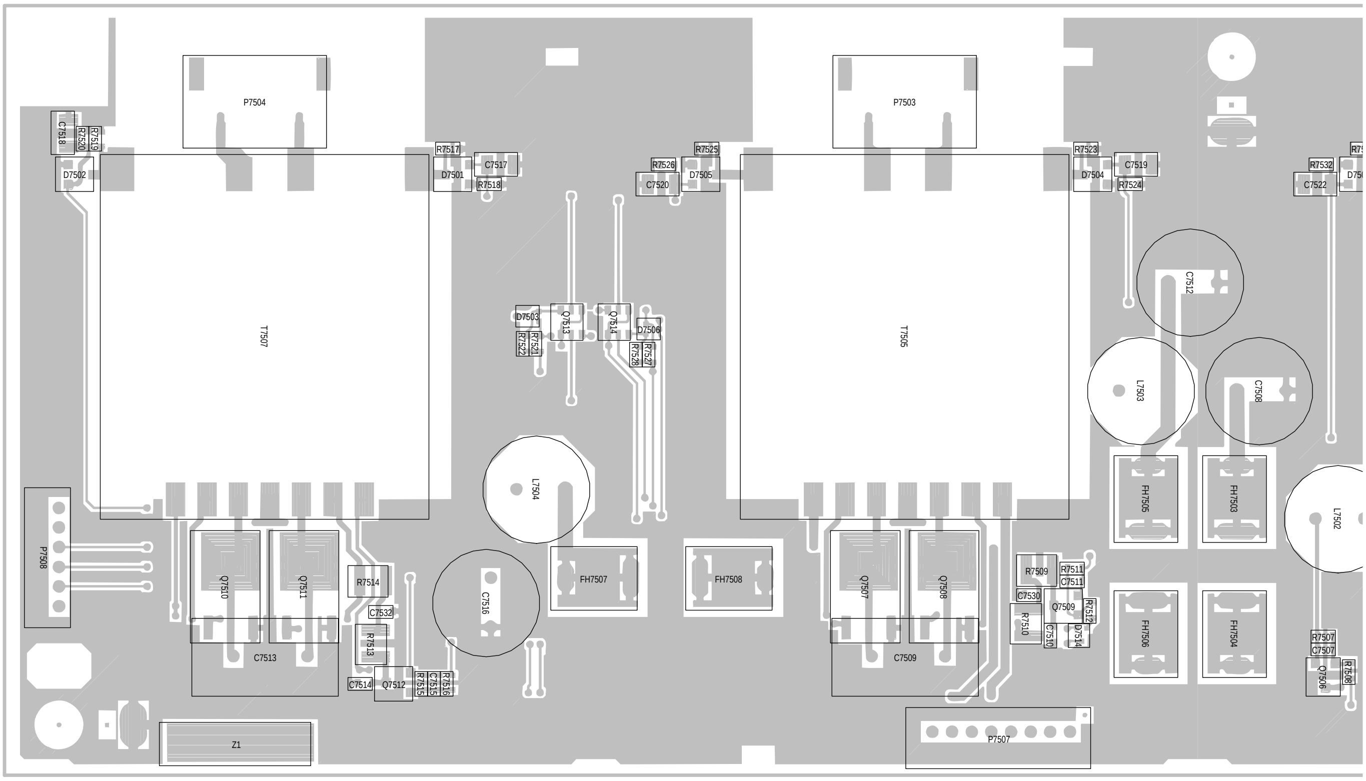
TL4513
TL4640
TL4641
TL4636
TL4632
TL4601
TL4602
TL4603
TL4604
TL4605
TL4607
TL4101
TL4102
TL4103
TL4104
TL4105
C4163
D4106
R4227
R4224
R4210
R4211
D4103
D4104
Q4103
R4212
C4191
C4190
R4258
IC4108
IC4117
D4105
L4105
C4156
D4108
FL4102
FL4103
D4101
D4102
Q4110
D4109
TL4146
TL7711
TL7712
TL7713
TL7714
TL7715
FB7711
FB7712
FB7713
FB7714
TL7701
TL7702
TL7703
TL7704
FB7710
FB7709
FB7705
TL7705
TL7706
TL7707
TL7708
IC7702
IC7703
IC7704
IC7706
IC7707
IC7701
IC7708
IC7709
IC7705
FB7701
FB7702
FB7703
FB7704
FB7706
FB7707
FB7708
R7701
R7702
R7740
R7741
R7713
R7722
R7732
R7733
D7702
D7703
D7704
D7705
D7706
D7707
D7708
Q7701
Q7702
Q7703
C7702
C7704
C7711
C7718
C7721
C7714
FB4901
FB4902
IC4902
IC4903
X4901
FL4902
C4510
C4513
C4501
C4933
C4934
C4935
C4936
C4931
R4906
R4907
R4926
R4927
R4928
R4934
TL2030
TL2031
TL2032
TL2033
TL2034
TL2035
TL2036
TL2037
FB2005
FB2006
FB2007
FB2008
FB2009
TL2013
TL2014
TL2015
TL2016
FB2021
FB2022
FB2023
TL2217
TL2218
TL2219
TL2220
FB2206
FB2213
FB2214
FB2215
FB2216
D2208
D2219
D2220
D2221
D2222
D2223
D2224
FL4904
Q2220
C2243
C2245
C2247
C2280
C2281
C2282
C2259
C2260

10	11	12	13	14	15	16	17	18	19

■ Display


高圧注意
15
3
12
11
8
H.V. CAUTION
L F a
L7504
T7507
7
1
P7508
9
Q7510
Q7511
C7513
C7516
FH7507
FH7508
F7504 T800mA L 250V
QKITPB955WJTS
KB955DE
T7505
Q7507
Q7508
C7509
P7507
C7512
L7503
C7508
L7502
F7503 T800mA L 250V
FH7505
FH7503
F7502 T800mA L 250V
P7505
FH7506
FH7504
P7509

INVERTER-1 Unit (Component Parts Side)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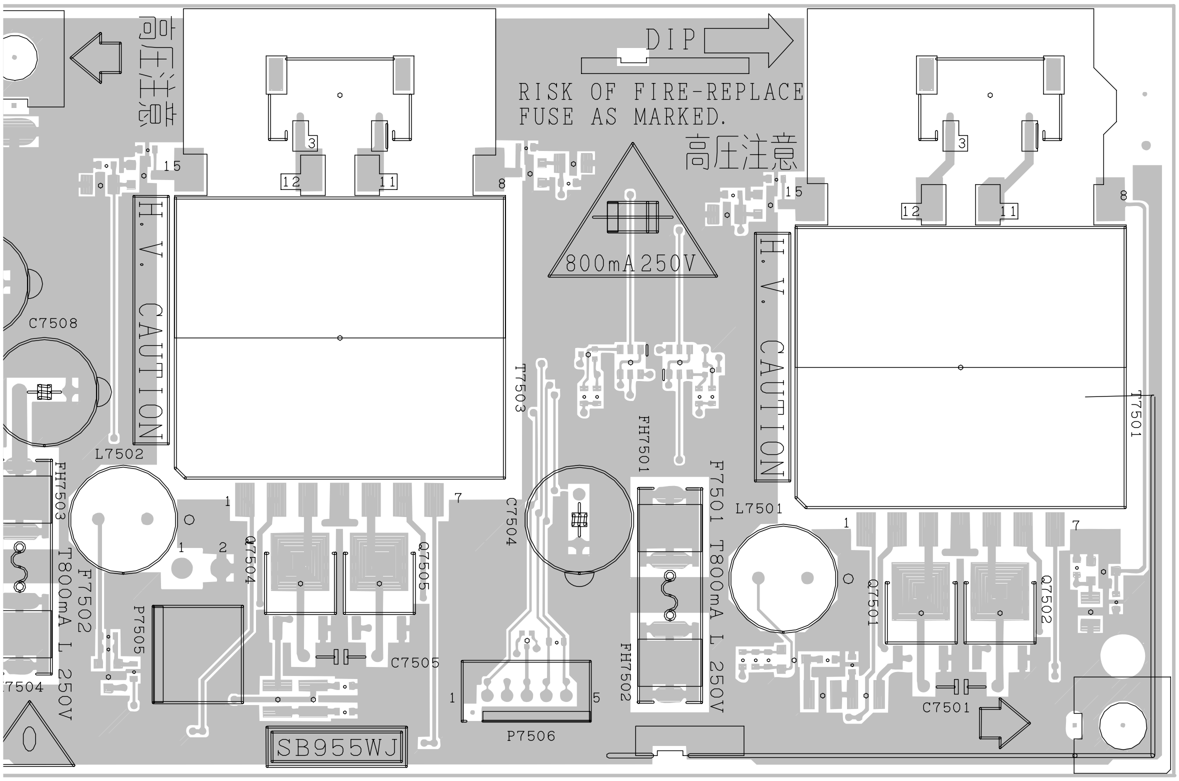
P7503
C7518
R7519
R7520
D7502
R7517
C7517
D7501
R7518
R7525
R7526
D7505
C7520
R7523
C7519
D7504
R7524
R7532
C7522
T7507
T7505
D7503
Q7513
Q7514
D7506
R7521
R7522
R7527
R7528
C7512
L7503
C7508
L7504
FH7505
FH7503
L7502
P7508
Q7510
Q7511
R7514
C7532
R7513
C7513
C7514
Q7512
R7515
C7515
R7516
C7516
FH7507
FH7508
Q7507
Q7508
C7509
R7509
R7511
C7511
C7530
Q7509
R7512
R7510
C7510
D7514
FH7506
FH7504
R7507
C7507
R7508
Q7506
Z1
P7507

INVERTER-1 Unit (Chip Parts Side)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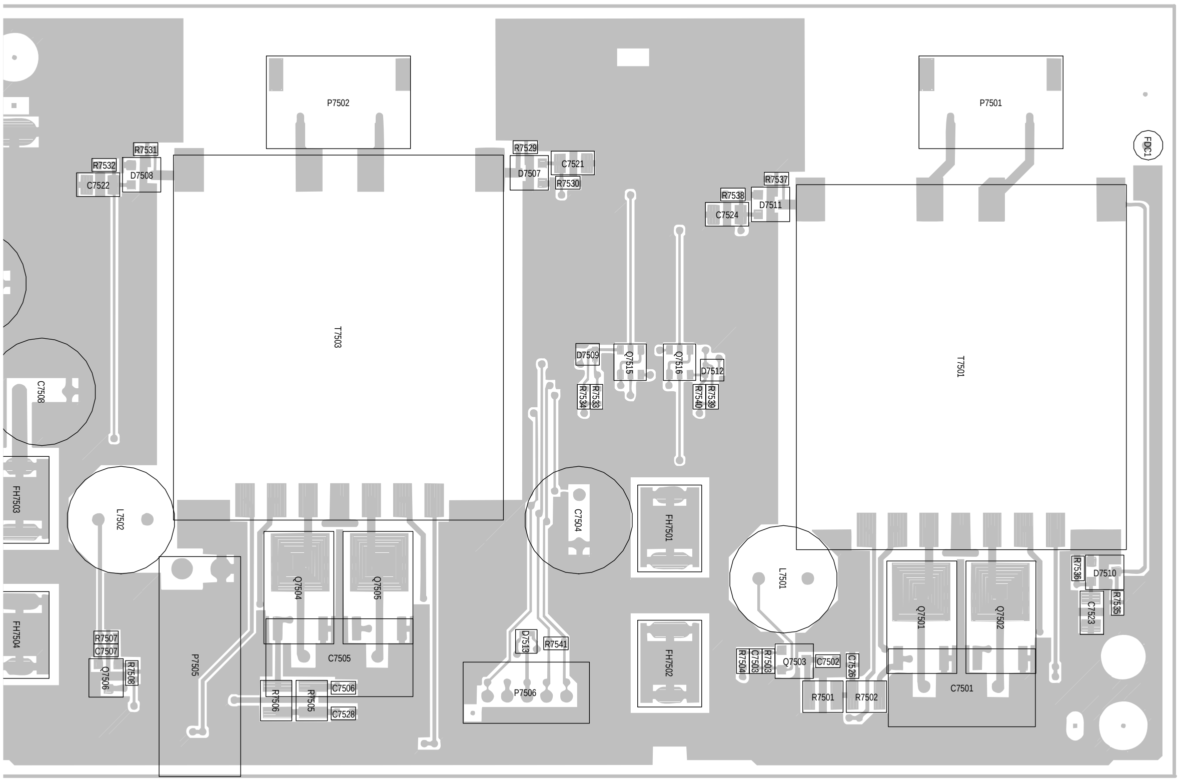
DIP
RISK OF FIRE-REPLACE
FUSE AS MARKED.
高压注意
800mA250V
H.V. CAUTION
H.V. CAUTION
C7508
L7502
FH7503
F7502
T800mA L 250V
7504
P7505
Q7504
Q7505
C7505
SB955WJ
T7503
C7504
P7506
FH7501
F7501 T800mA L 250V
FH7502
L7501
Q7501
Q7502
T7501
C7501
15
12
11
3
8
1
2
7
5


P7502
P7501
FDC1
R7531
R7532
D7508
C7522
R7529
D7507
C7521
R7530
R7537
R7538
D7511
C7524
T7503
T7501
C7508
D7509
Q7515
Q7516
D7512
R7534
R7533
R7540
R7539
FH7503
L7502
C7504
FH7501
L7501
R7536
D7510
R7535
C7523
Q7504
Q7505
Q7501
Q7502
FH7504
R7507
C7507
R7508
Q7506
P7505
C7505
R7506
R7505
C7506
C7528
D7513
R7541
P7506
FH7502
R7504
C7503
R7503
Q7503
C7502
C7526
R7501
R7502
C7501

10	11	12	13	14	15	16	17	18	19

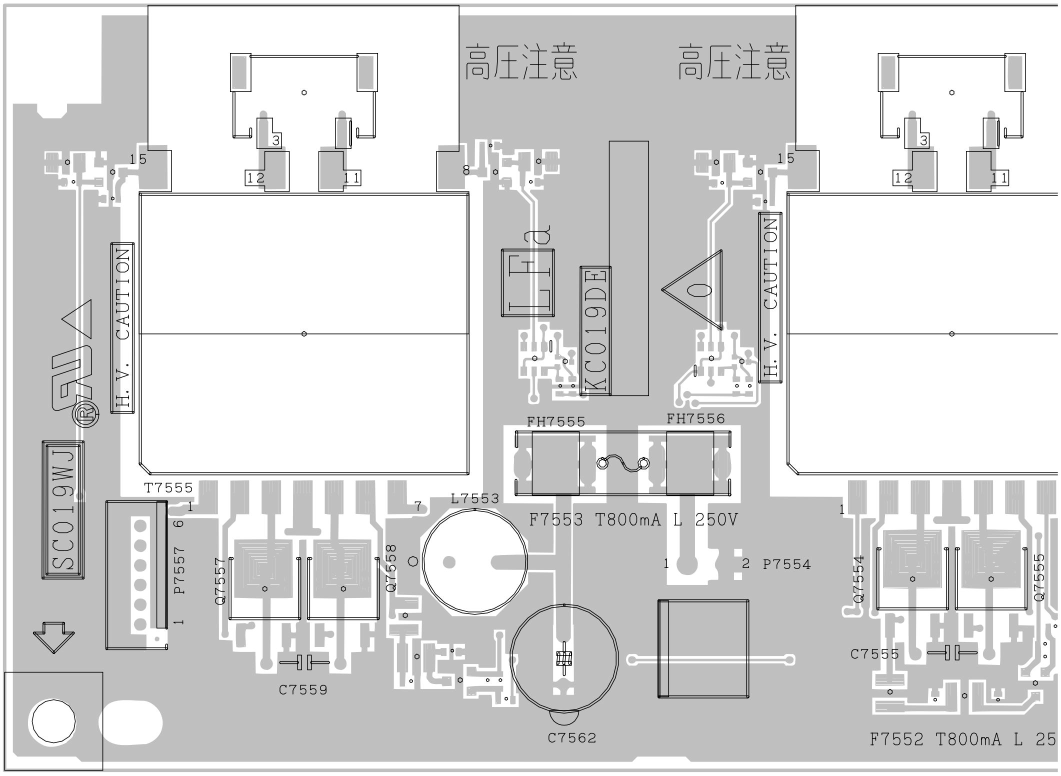
■ Display

H

G

F

E


高圧注意
高圧注意
3
12
11
15
8
H. V. CAUTION
SC019WJ
KC019DE
FH7555
FH7556
T7555
1
6
P7557
Q7557
Q7558
7
L7553
F7553 T800mA L 250V
1
2 P7554
Q7554
Q7555
C7555
C7559
C7562
F7552 T800mA L 25

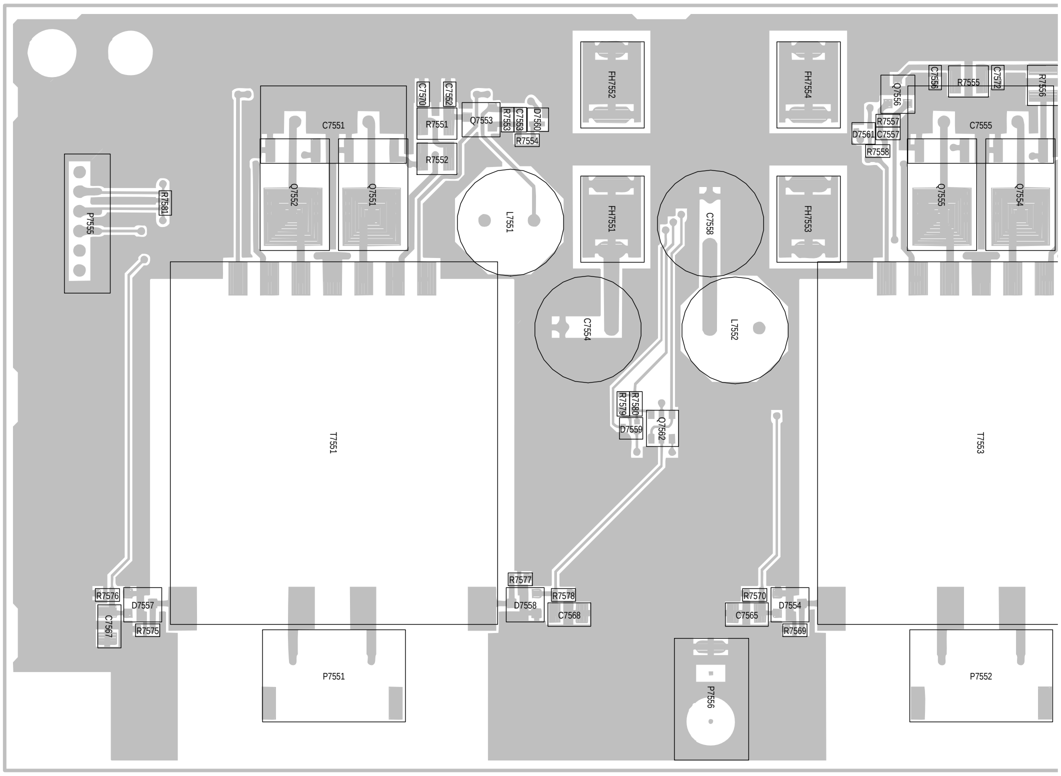
INVERTER-2 Unit (Component Parts Side)

D

C

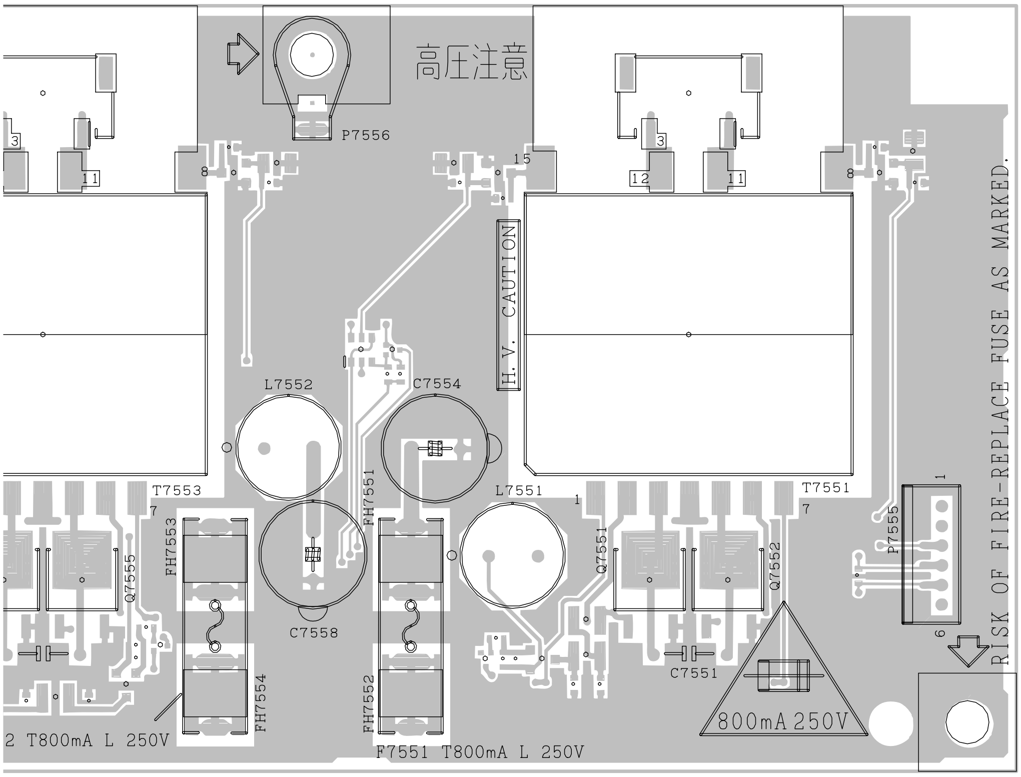
B

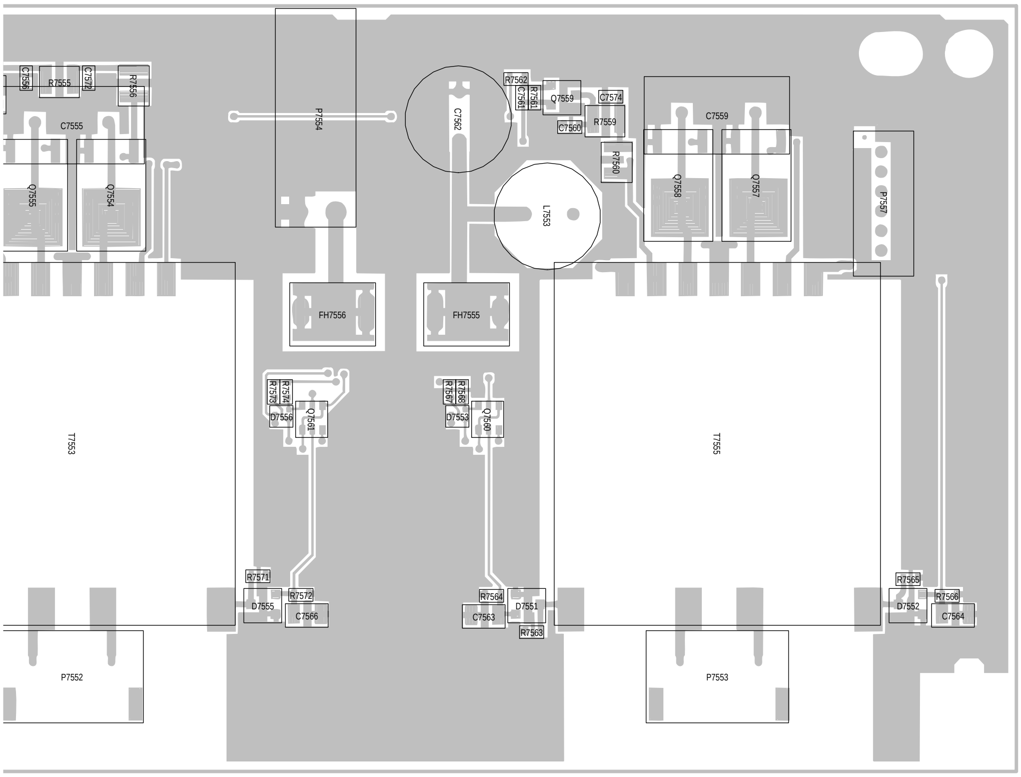
A


FH7552
FH7554
C7570
C7552
C7551
R7551
Q7553
R7553
C7553
D7560
R7554
R7552
Q7552
Q7551
L7551
FH7551
C7558
FH7553
R7581
P7555
C7554
L7552
R7579
R7580
D7559
Q7562
T7551
T7553
R7576
D7557
C7567
R7575
R7577
D7558
R7578
C7568
R7570
D7554
C7565
R7569
P7551
P7556
P7552
C7556
R7555
C7572
R7556
Q7556
R7557
D7561
C7557
R7558
C7555
Q7555
Q7554

INVERTER-2 Unit (Chip Parts Side)

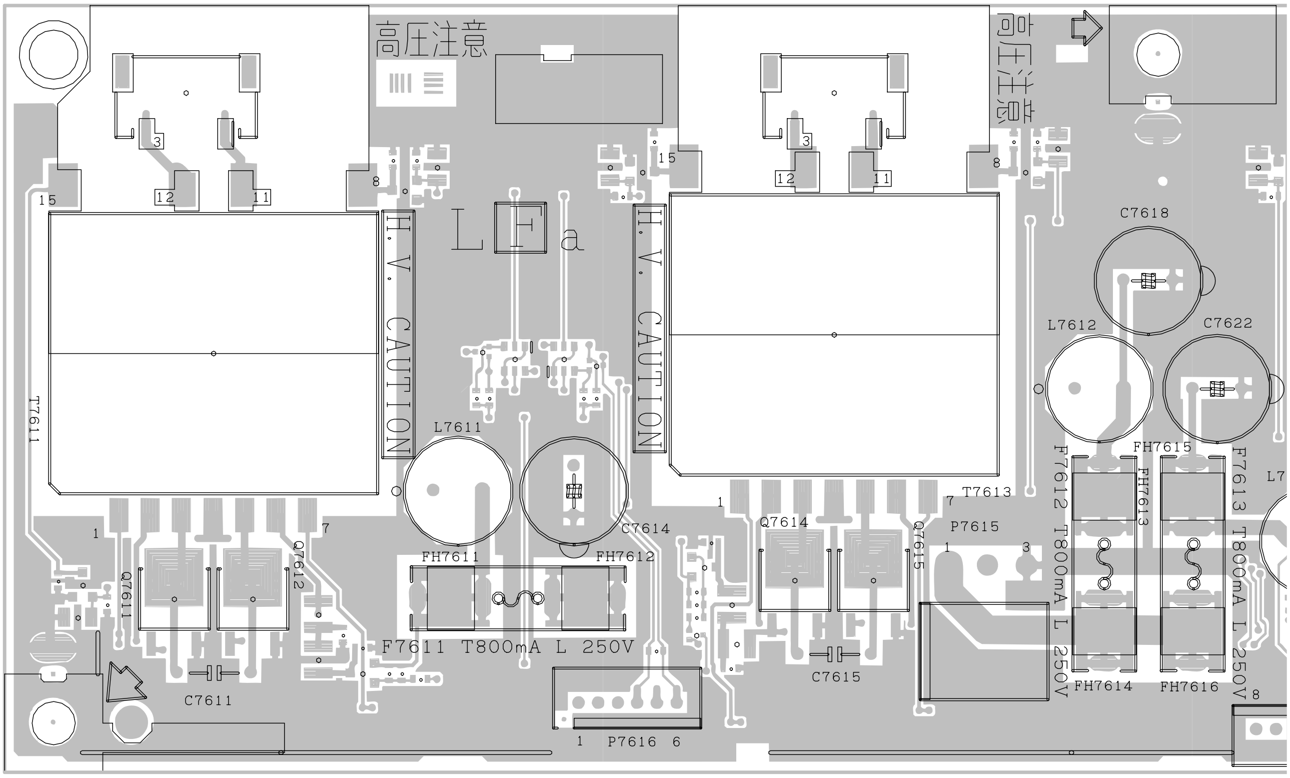
1	2	3	4	5	6	7	8	9	10


高圧注意
P7556
3
11
8
15
12
11
3
8
H.V. CAUTION
L7552
C7554
T7553
7
FH7551
L7551
1
T7551
7
FH7553
Q7555
C7558
Q7551
Q7552
P7555
1
6
C7551
FH7554
FH7552
800mA 250V
2 T800mA L 250V
F7551 T800mA L 250V
RISK OF FIRE-REPLACE FUSE AS MARKED.

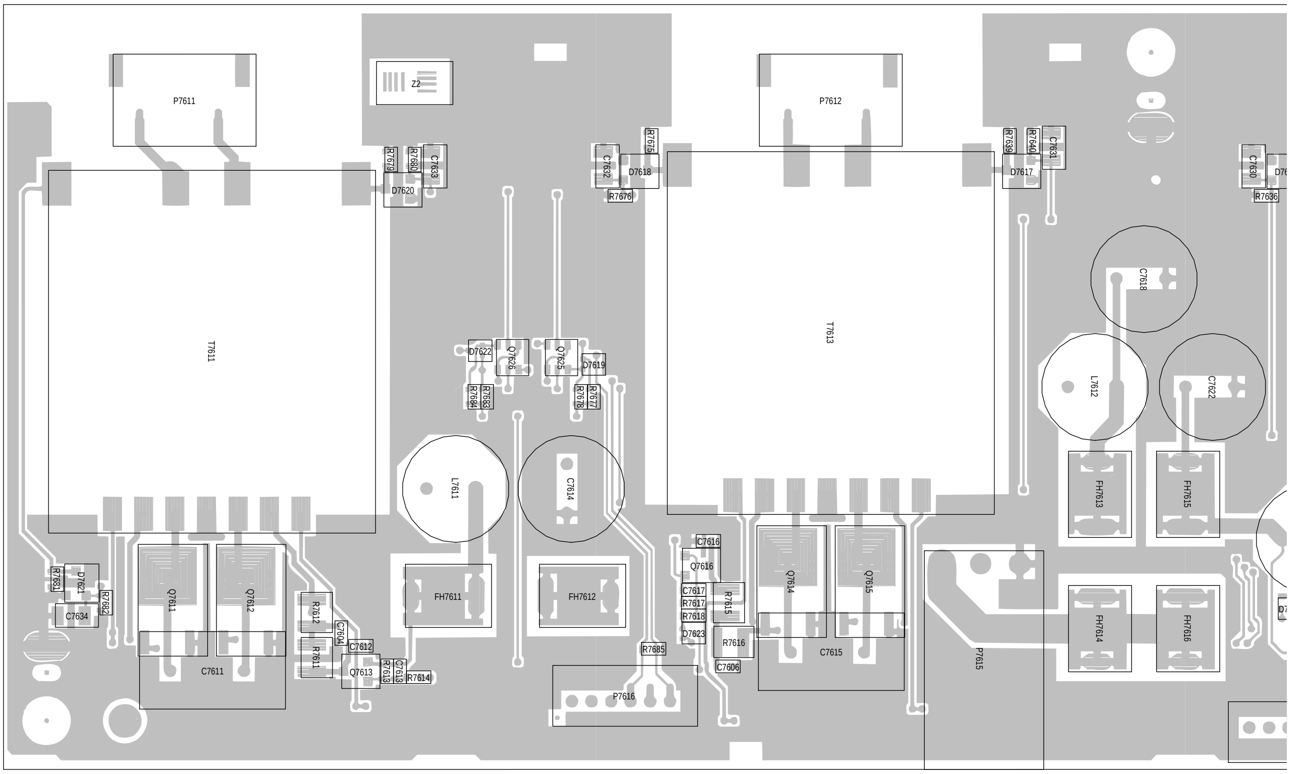

C7556
R7555
C7570
R7556
C7555
Q7555
Q7554
P7554
C7562
R7562
C7561
R7561
Q7559
C7574
R7559
C7560
R7560
C7559
Q7558
Q7557
P7557
L7553
FH7556
FH7555
R7573
R7574
D7556
Q7561
R7567
R7568
D7553
Q7560
T7553
T7555
R7571
D7555
R7572
C7566
R7564
D7551
C7563
R7563
R7565
D7552
R7566
C7564
P7552
P7553

10	11	12	13	14	15	16	17	18	19

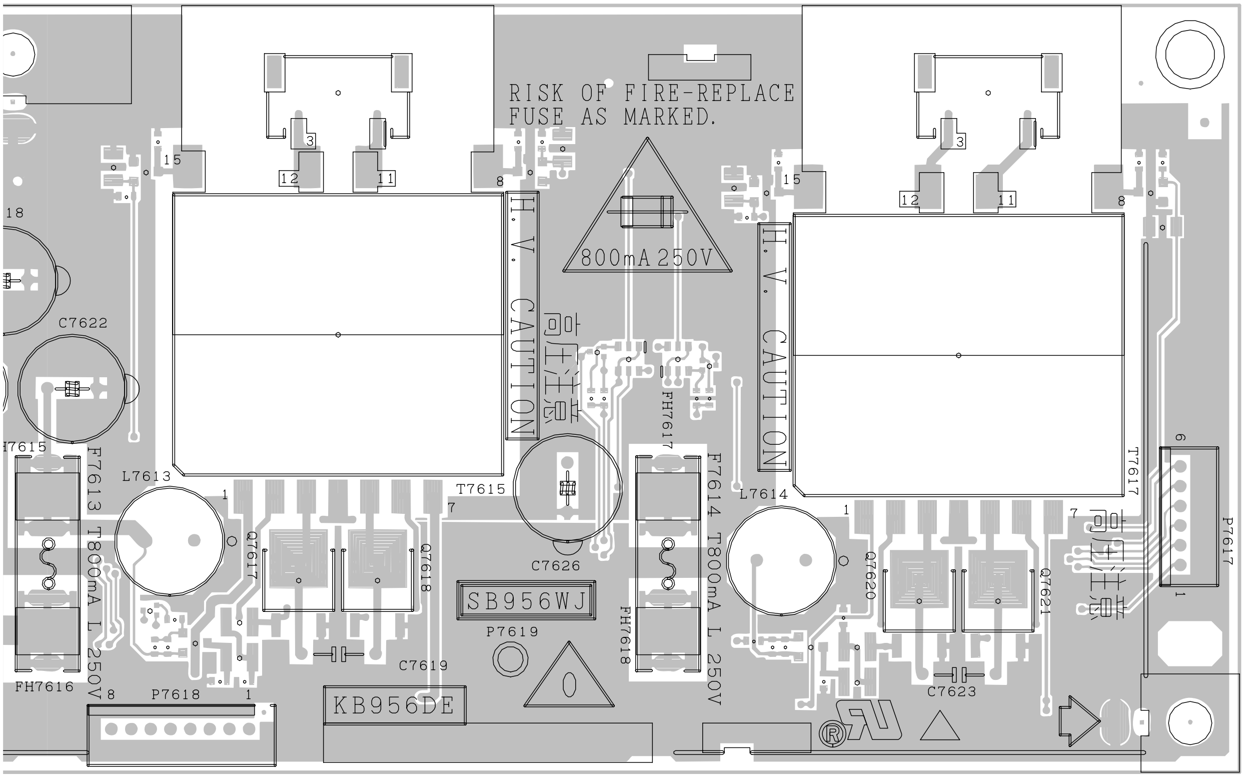
■ Display

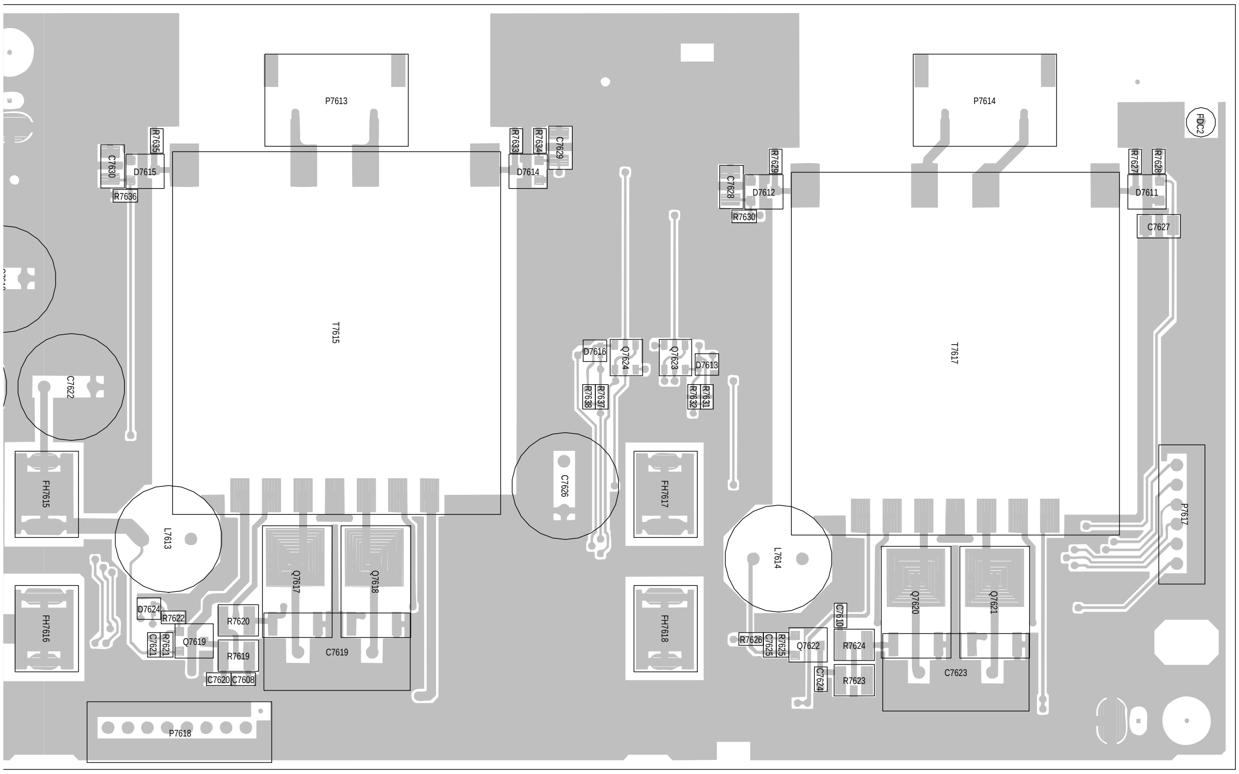

H
G
F
E
高圧注意
H.V. CAUTION
T7611
L7611
C7614
FH7611
FH7612
F7611 T800mA L 250V
C7611
Q7611
Q7612
P7616
Q7614
Q7615
T7613
P7615
C7615
C7618
L7612
C7622
FH7615
FH7613
F7612 T800mA L 250V
F7613 T800mA L 250V
FH7614
FH7616

INVERTER-3 Unit (Component Parts Side)


D
C
B
A
1
2
3
4
5
6
7
8
9
10
P7611
Z2
P7612
T7611
T7613
D7620
D7618
D7617
D7622
Q7626
Q7625
D7619
L7611
C7614
C7618
L7612
C7622
FH7613
FH7615
FH7611
FH7612
FH7614
FH7616
Q7611
Q7612
Q7614
Q7615
Q7613
Q7616
C7611
C7612
C7615
C7616
C7634
P7615
P7616
R7685

INVERTER-3 Unit (Chip Parts Side)


RISK OF FIRE-REPLACE
FUSE AS MARKED.
800mA 250V
H. V. CAUTION
高圧注意
T7615
T7617
C7622
FH7615
FH7616
FH7617
FH7618
F7613 T800mA L 250V
F7614 T800mA L 250V
L7613
L7614
Q7617
Q7618
Q7620
Q7621
C7626
C7619
C7623
SB956WJ
KB956DE
P7619
P7618
P7617
15
12
11
3
8
1
7
6
18


P7613
P7614
T7615
T7617
FDC2
R7635
C7630
D7615
R7636
R7633
R7634
C7629
D7614
R7629
C7628
D7612
R7630
R7627
R7628
D7611
C7627
D7616
Q7624
Q7623
D7613
R7638
R7637
R7632
R7631
C7622
C7626
FH7615
FH7616
FH7617
FH7618
L7613
L7614
Q7617
Q7618
Q7620
Q7621
D7624
R7622
C7621
R7621
Q7619
R7620
R7619
C7620
C7608
C7619
C7610
R7626
C7625
R7625
Q7622
R7624
C7624
R7623
C7623
P7617
P7618

10	11	12	13	14	15	16	17	18	19

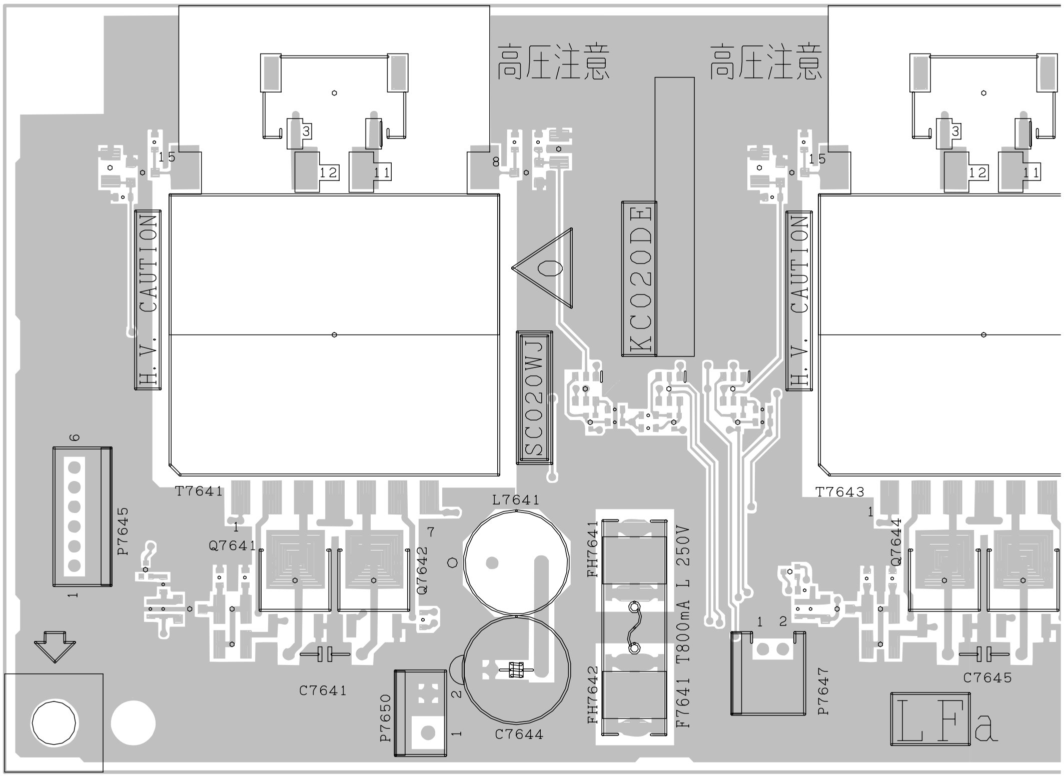
■ Display

H

G

F

E


高圧注意
高圧注意
3
15
12
11
8
H.V. CAUTION
KC020DE
SC020WJ
6
P7645
1
T7641
Q7641
7
Q7642
L7641
FH7641
FH7642
F7641 T800mA L 250V
C7641
P7650
2
C7644
T7643
Q7644
1 2
P7647
C7645
LFa

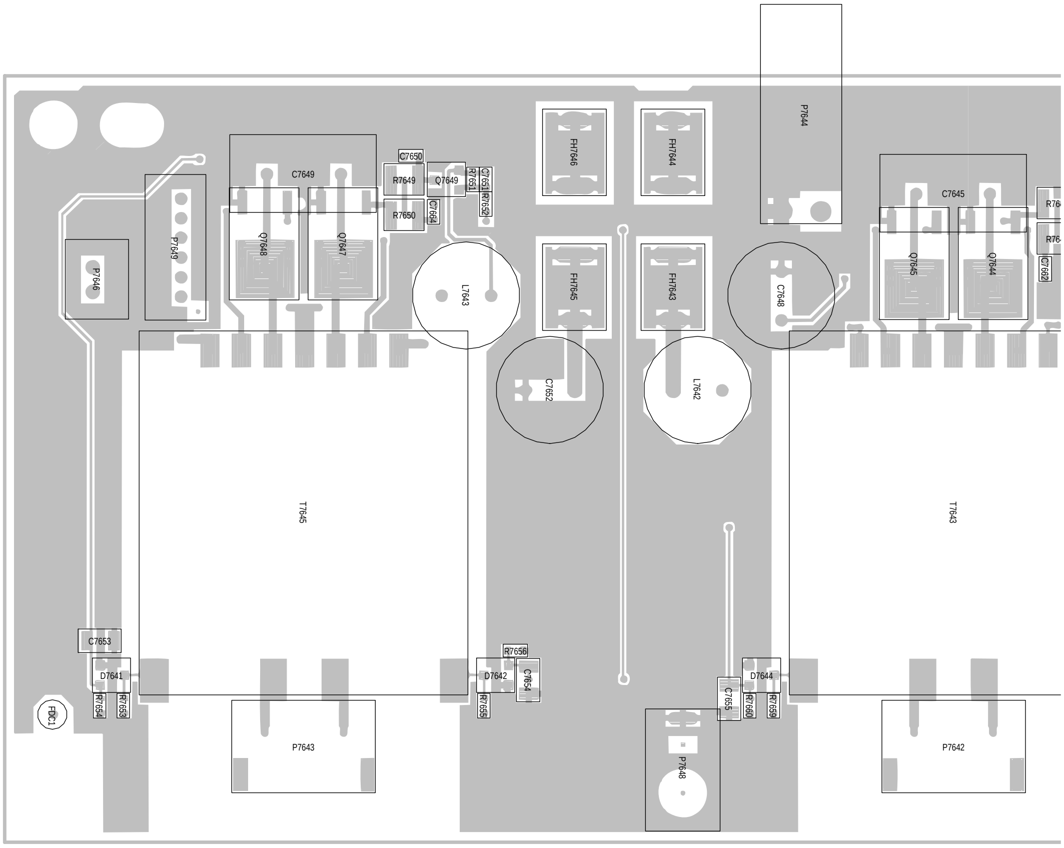
INVERTER-4 Unit (Component Parts Side)

D

C

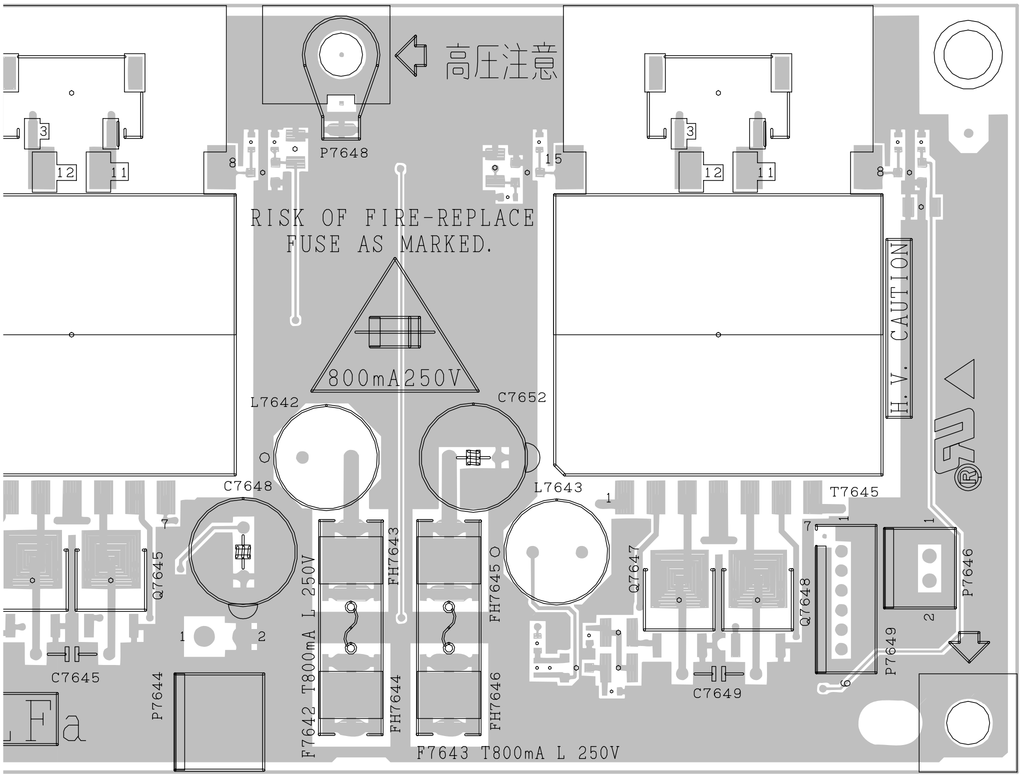
B

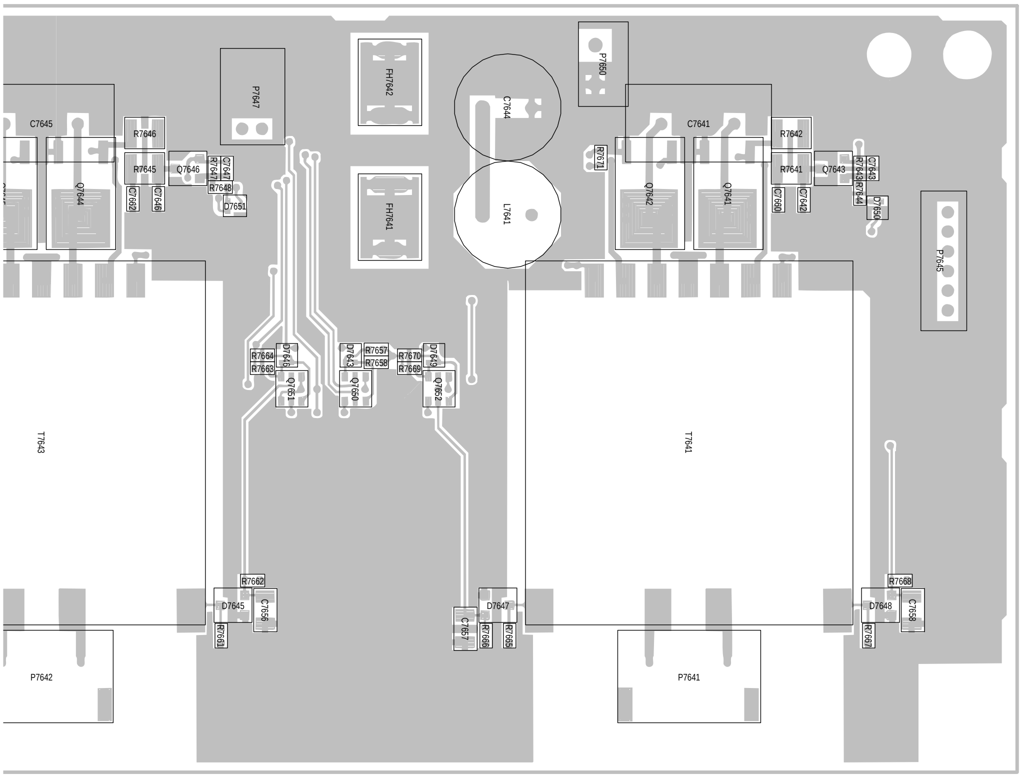
A


P7644
FH7646
FH7644
C7650
C7649
R7649
Q7649
R7650
C7664
C7651
R7651
R7652
Q7648
Q7647
P7649
P7646
L7643
FH7645
FH7643
C7648
C7645
Q7645
Q7644
C7662
C7652
L7642
T7645
T7643
C7653
D7641
R7654
R7653
FDC1
R7656
D7642
C7654
R7655
C7655
D7644
R7660
R7659
P7643
P7648
P7642

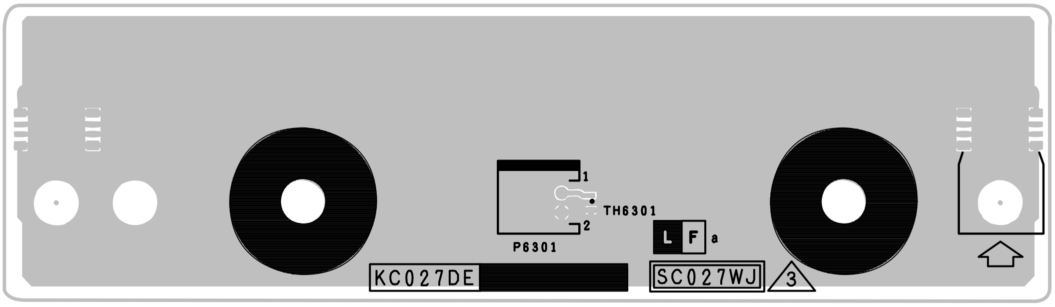
INVERTER-4 Unit (Chip Parts Side)

1	2	3	4	5	6	7	8	9	10

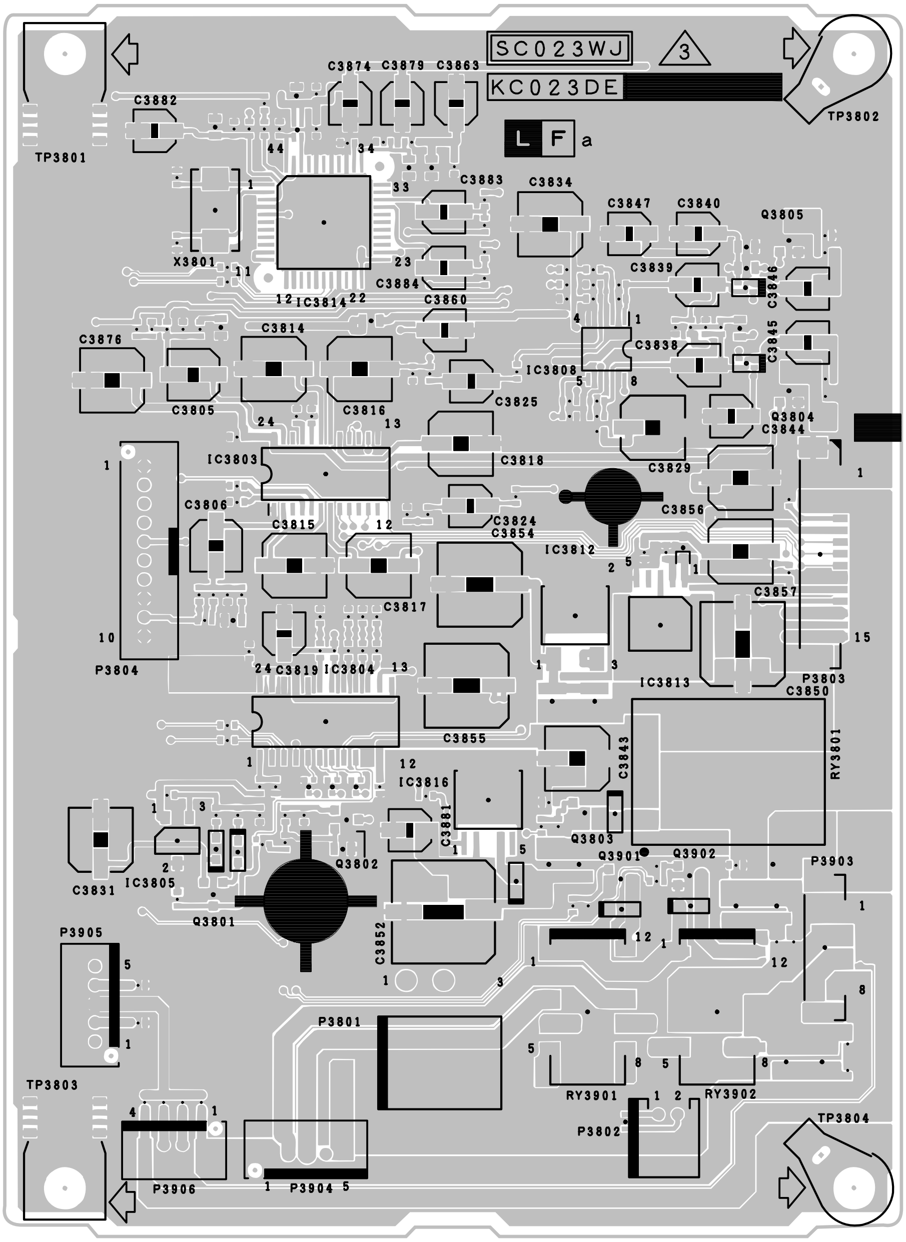

高圧注意
P7648
8
15
8
3
12
11
3
12
11
RISK OF FIRE-REPLACE
FUSE AS MARKED.
800mA250V
H.V. CAUTION
L7642
C7652
C7648
L7643
T7645
7
1
7
1
1
Q7645
FH7643
FH7645
Q7647
Q7648
P7646
2
1
2
C7645
C7649
P7649
6
P7644
F7642 T800mA L 250V
FH7644
FH7646
F7643 T800mA L 250V
LFa


C7645
R7646
R7645
Q7646
R7647
C7647
R7648
D7651
C7662
C7646
Q7644
P7647
FH7642
FH7641
C7644
L7641
P7650
C7641
R7671
Q7642
Q7641
R7642
R7641
Q7643
R7643
C7643
R7644
C7660
C7642
D7650
P7645
R7664
R7663
D7646
Q7651
D7643
R7657
R7658
Q7650
R7670
R7669
D7649
Q7652
T7643
T7641
R7662
D7645
C7656
R7661
C7657
D7647
R7666
R7665
R7668
D7648
C7658
R7667
P7642
P7641

■ Display


1
TH6301
2
P6301
L F a
KC027DE
SC027WJ
3

THERMISTOR Unit (Component Parts Side)

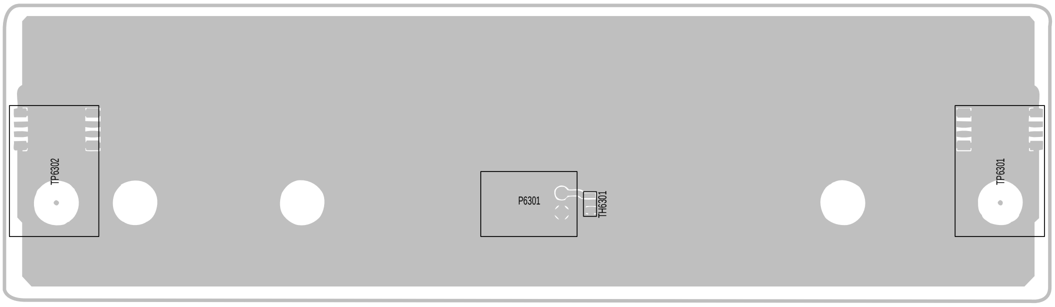

SC023WJ
3
KC023DE
L F a
TP3801
TP3802
TP3803
TP3804
C3874
C3879
C3863
C3882
44
34
33
1
X3801
11
23
12
IC3814
22
C3883
C3834
C3847
C3840
Q3805
C3884
C3839
C3846
C3860
C3814
C3876
C3805
C3816
24
13
4
1
C3838
C3845
IC3808
5
8
C3825
Q3804
C3844
IC3803
C3818
C3829
1
1
C3806
C3815
12
C3824
C3854
C3856
IC3812
2
5
1
C3857
10
P3804
C3817
24
C3819
IC3804
13
15
1
3
IC3813
P3803
C3850
C3855
1
12
IC3816
C3843
RY3801
1
3
C3881
Q3803
2
IC3805
C3831
Q3802
1
5
Q3901
Q3902
P3903
Q3801
1
C3852
12
1
12
P3905
5
1
1
3
8
P3801
5
8
5
8
RY3901
1
2
RY3902
P3802
4
1
P3906
1
P3904
5

AUDIO Unit (Component Parts Side)

■ Display

H

G


TP6302
P6301
TH6301
TP6301

F

THERMISTOR Unit (Chip Parts Side)

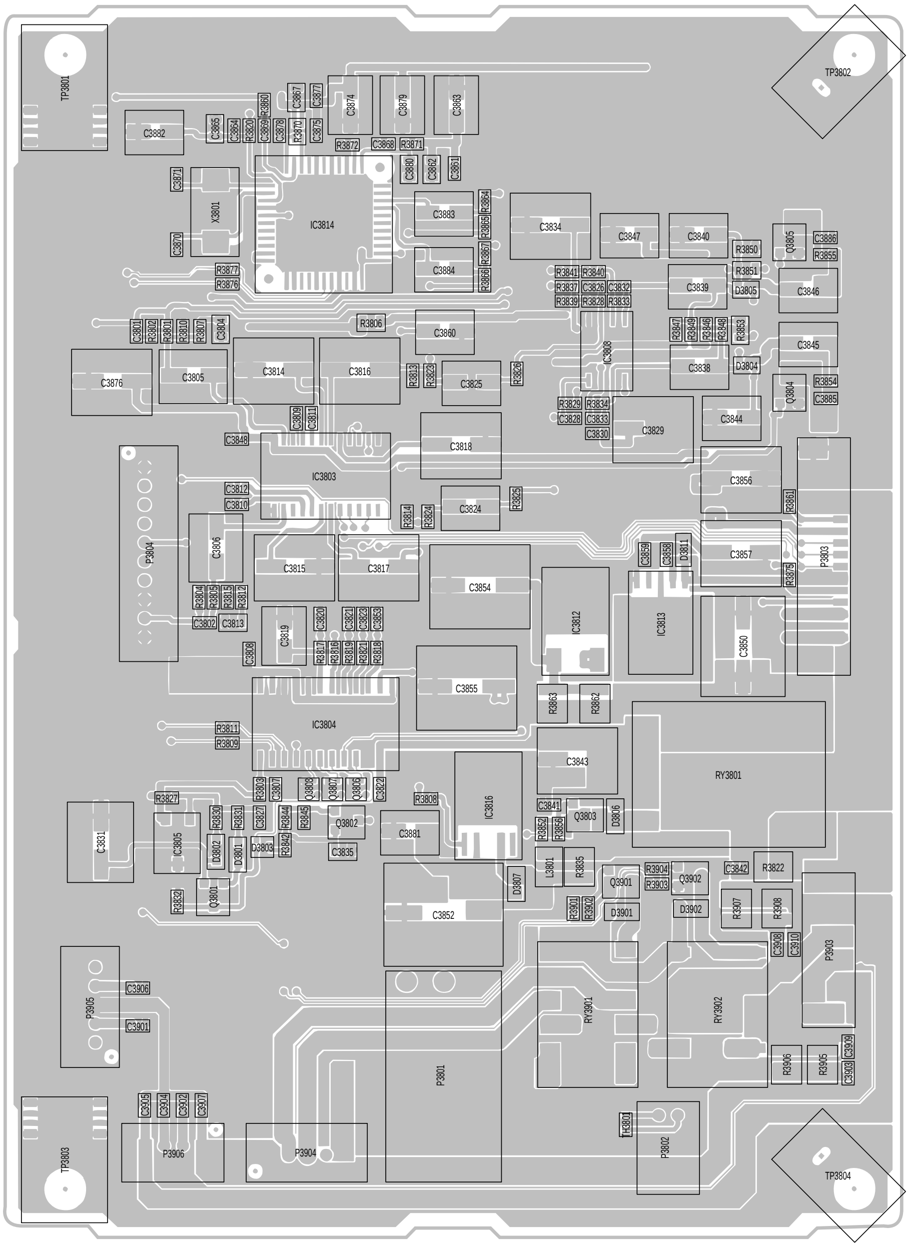
E

D

C

B

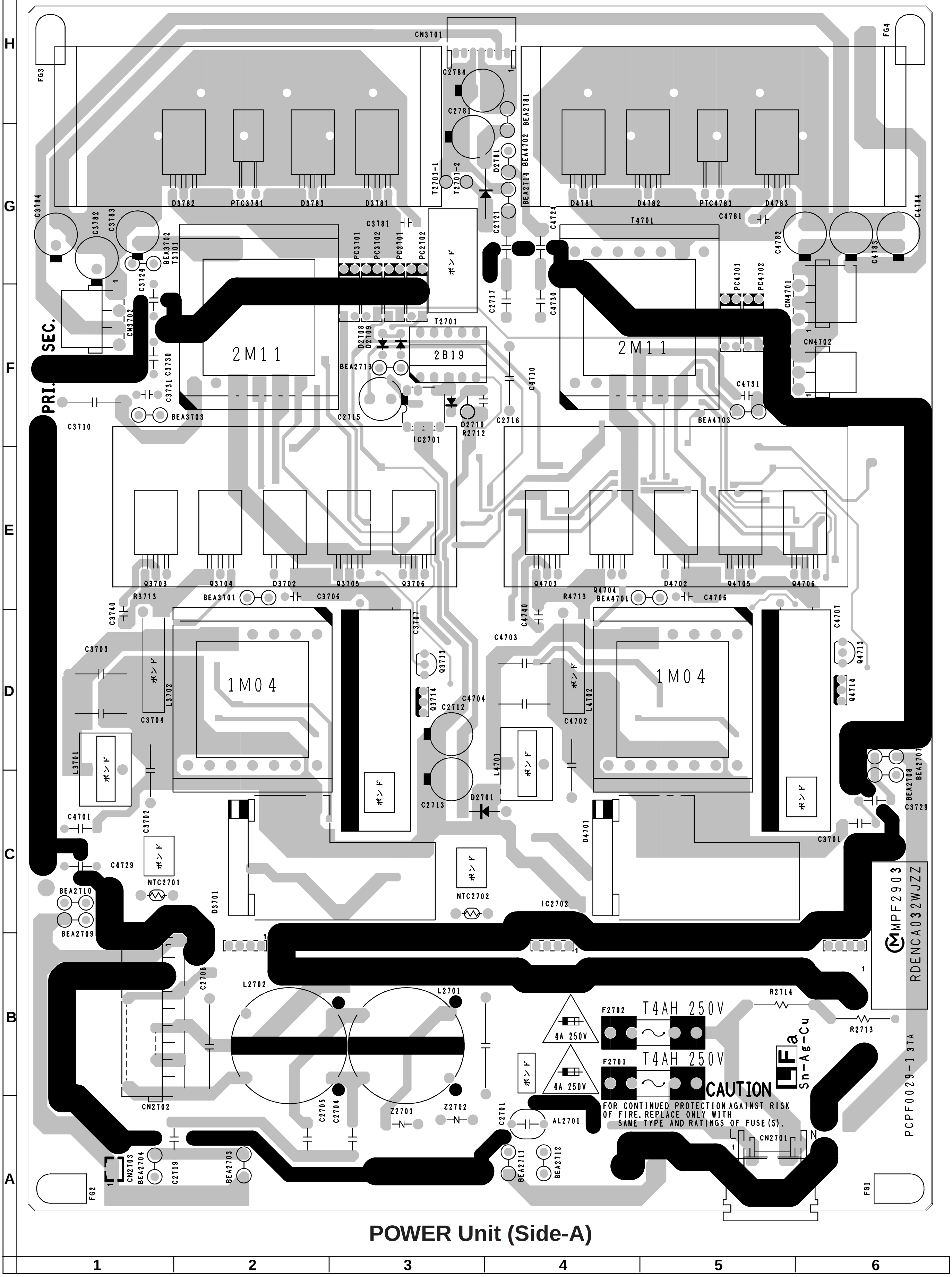
A


TP3801
TP3802
C3882
IC3814
X3801
C3883
C3884
C3834
C3847
C3840
C3839
C3846
C3845
C3876
C3805
C3814
C3816
C3860
C3825
C3808
C3838
C3829
C3844
C3818
IC3803
C3824
C3856
C3857
P3804
C3806
C3815
C3817
C3854
IC3812
IC3813
C3850
P3803
C3819
C3855
IC3804
RY3801
C3843
C3831
IC3805
IC3816
Q3803
C3881
C3852
Q3901
Q3902
D3901
D3902
P3903
P3905
RY3901
RY3902
P3801
P3906
P3904
TH3801
P3802
TP3803
TP3804

AUDIO Unit (Chip Parts Side)

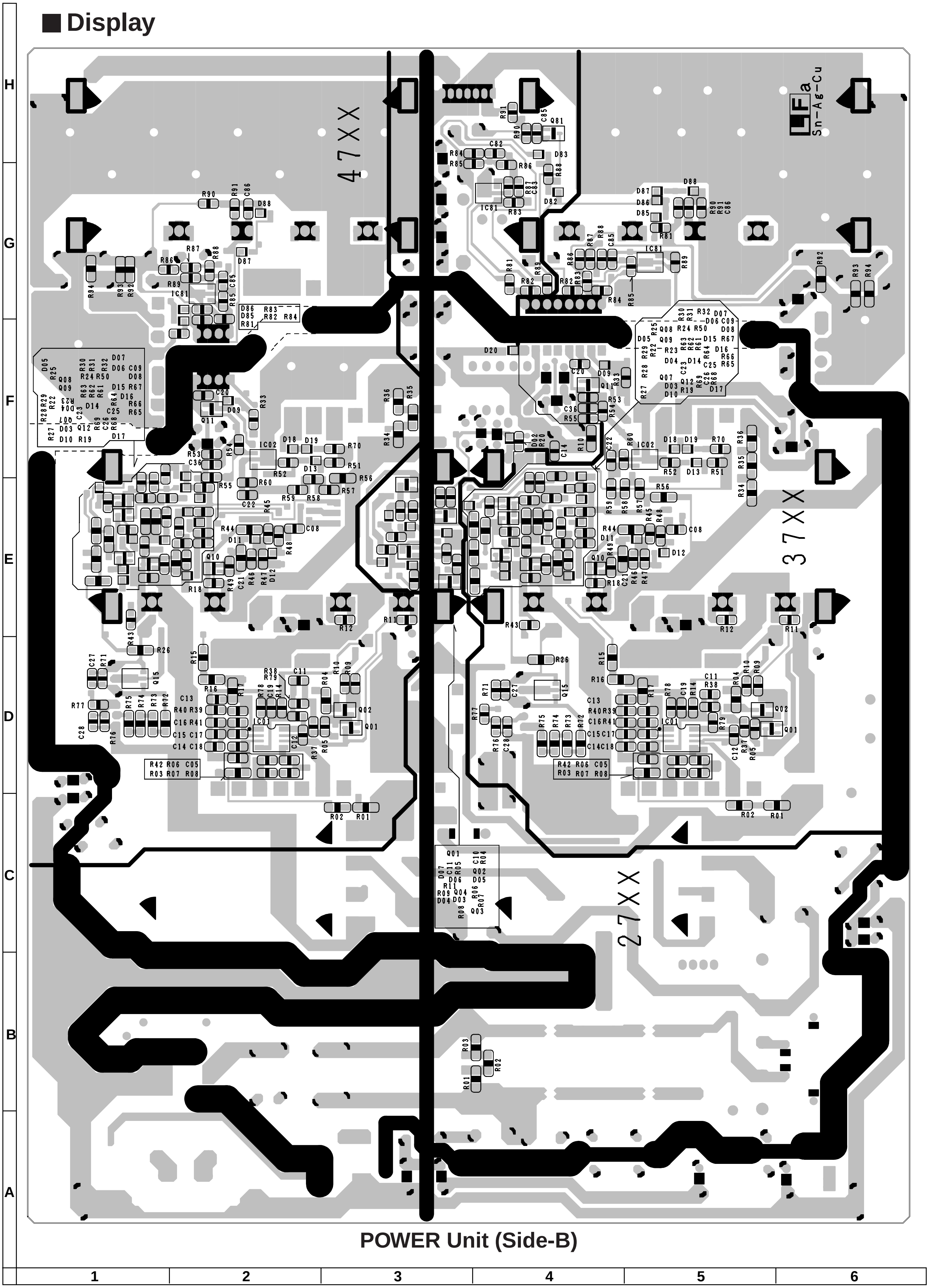
1	2	3	4	5	6

■ Display


H
G
F
E
D
C
B
A
1
2
3
4
5
6
CN3701
FG3
FG4
C2784
C2781
BEA2781
BEA4702
BEA2714
D2781
T2701-1
T2701-2
D3782
PTC3781
D3783
D3781
D4781
D4782
PTC4781
D4783
C3784
C3782
C3783
BEA3702
T3701
C3781
PC3701
PC3702
PC2701
PC2702
C2721
C4724
T4701
C4781
C4782
C4783
C4784
C3724
CN3702
SEC.
PRI.
2M11
T2701
2B19
D2708
D2709
BEA2713
C2717
C4730
PC4701
PC4702
CN4701
CN4702
C4731
C4710
C3731
C3730
C3710
BEA3703
C2715
IC2701
D2710
R2712
C2716
BEA4703
Q3703
Q3704
D3702
Q3705
Q3706
Q4703
D4702
Q4705
Q4706
R3713
BEA3701
C3706
R4713
Q4704
BEA4701
C4706
C3740
C3707
C4740
C4707
C3703
L3702
1M04
Q3713
Q3714
C4703
C4704
C2712
L4702
C4702
Q4713
Q4714
C3704
L3701
ポンド
L4701
C2713
D2701
BEA2708
BEA2707
C3729
C3702
C4701
D4701
C3701
C4729
NTC2701
BEA2710
BEA2709
D3701
NTC2702
IC2702
MPF2903
RDENCA032WJZZ
C2706
L2702
L2701
R2714
R2713
F2702
T4AH 250V
4A 250V
F2701
CAUTION
FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE AND RATINGS OF FUSE (S).
LFa
Sn-Ag-Cu
PCPF0029-1 37A
CN2702
C2705
C2704
Z2701
Z2702
C2701
AL2701
CN2701
L
N
CN2703
BEA2704
C2719
BEA2703
BEA2711
BEA2712
FG2
FG1

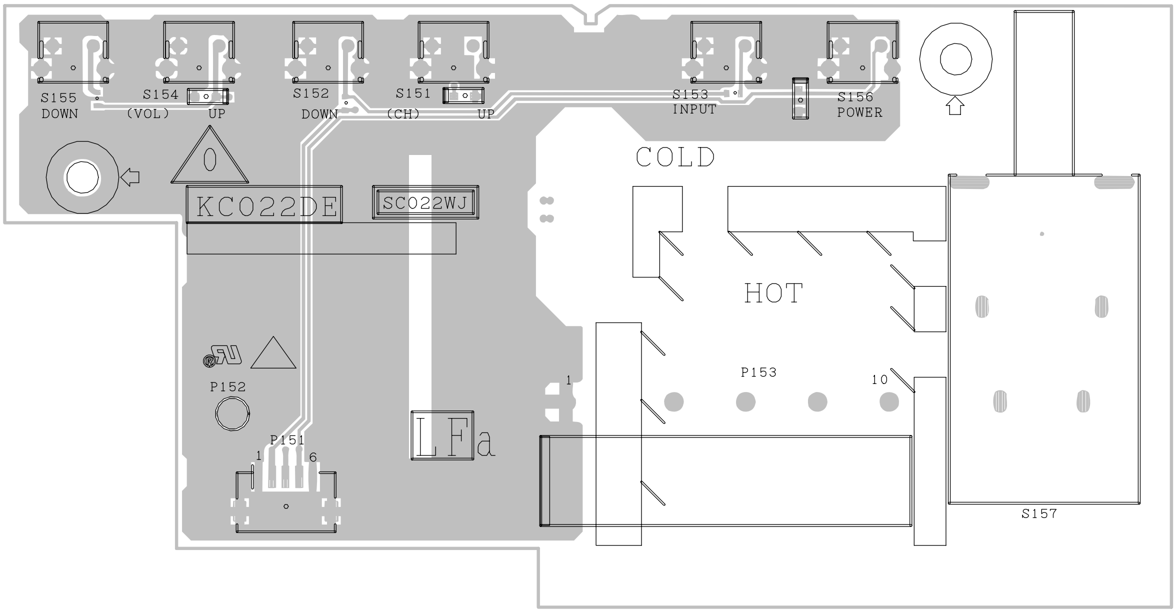
POWER Unit (Side-A)

■ Display

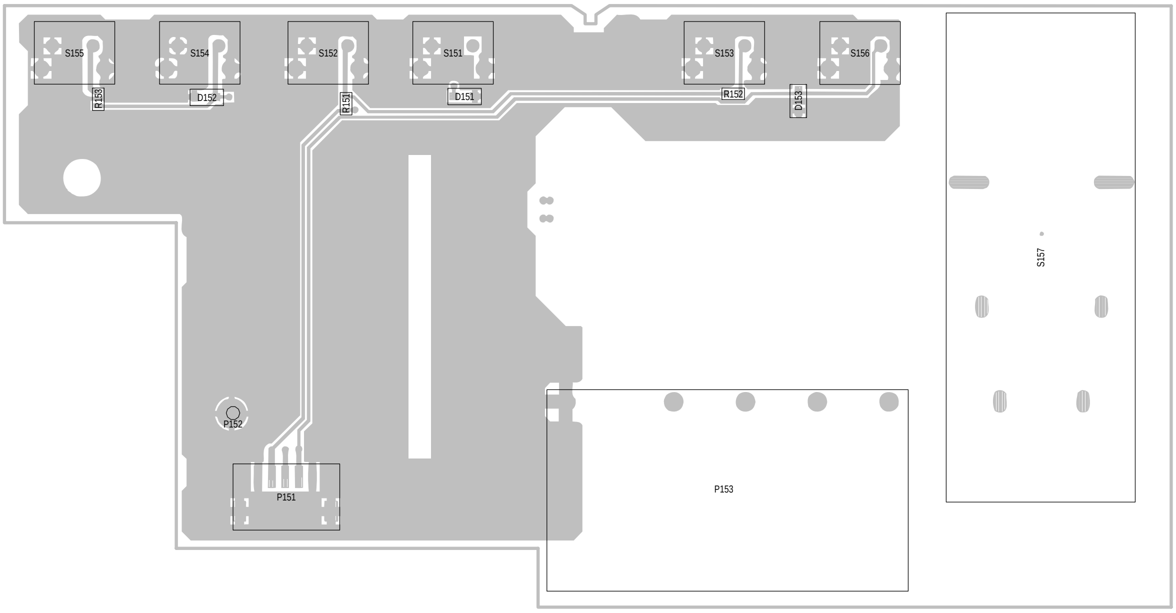

H
G
F
E
D
C
B
A
1
2
3
4
5
6
47XX
37XX
27XX
Sn-Ag-Cu

POWER Unit (Side-B)

■ Display


S155
DOWN
S154
(VOL)
UP
S152
DOWN
S151
(CH)
UP
S153
INPUT
S156
POWER
KC022DE
SC022WJ
COLD
HOT
P153
1
10
P152
P151
1
6
LFa
S157

KEY Unit (Component Parts Side)


S155
S154
S152
S151
S153
S156
R153
D152
R151
D151
R152
D153
S157
P152
P151
P153

KEY Unit (Chip Parts Side)

PARTS LIST

PARTS REPLACEMENT

Replacement parts which have these special safety characteristics identified in this manual; electrical components having such features are identified by ⚠ and shaded areas in the Replacement Parts Lists and Schematic Diagrams. The use of a substitute replacement part which dose no have the same safety characteristic as the factory recommended replacement parts shown in this service manual may create shock, fire or other hazards.

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

1. MODEL NUMBER
2. REF. NO.
3. PART NO.
4. DESCRIPTION

in **USA**: Contact your nearest SHARP Parts Distributor to order. For location of SHARP Parts Distributor, Please call Toll-Free; 1-800-BE-SHARP

LISTE DES PIECES

CHANGE DES PIECES

Les pi`eces de rechange qui pr élelesentent ces caract éleristiques sp éleciales de s élecurit éle, sont identifi élees dans ce manuel : les pi`eces élelectriques qui pr élesentent ces particularit éles, sont rep éler élee par la marque ⚠ et sont hachur élees dans les listes de pi`eces et dans les diagrammes sch élematiques.
La substitution d'une pi`ece de rechange par une autre qui ne pr éLesente pas les m éoemes caract éLeristiques de s élecurit éle que la pi`ece recommand élee parl'usine et dans ce manuel de service, peut provoquer une éLelectrocution, un incendie ou toutautre sinistre.

"COMMENT COMMANDER LES PIECES DE RECHANGE"

Pour que votre commande soit rapidement et correctement remplie, veuillez fournir les renseignements suivants.

1. NUMERO DU MODELE
2. NO. DE REF
3. NO. DE PIECE
4. DESCRIPTION

in **CANADA**: Contact SHARP Electronics of Canada Limited
Phone (416) 890-2100

★ MARK: SPARE PARTS-DELIVERY SECTION

PRINTED WIRING BOARD ASSEMBLIES
(NOT REPLACEMENT ITEM)

Ref. No.	Part No.	★	Description	Code
	DUNTKC009FE04	–	MAIN Unit(AVC System)	—
	DUNTKC015FE04	–	POWER Unit(AVC System)	—
	DUNTKC069DE23	–	FRONT Unit(AVC System)	—
	DUNTKC070DE23	–	AUDIO I/F Unit (AVC System)	—
	DUNTKC083FE01	–	AV Unit(AVC System)	—
	CPCi-A005WJ75	J	PC I/F Unit(AVC System)	CR
	DUNTKB955DE04	–	INVERTER-1 Unit(Display)	—
	DUNTKB956DE04	–	INVERTER-3 Unit(Display)	—
	DKEYHC016FE53	J	MONITOR Unit(Display)	—
	DUNTKC019DE04	–	INVERTER-2 Unit(Display)	—
	DUNTKC020DE04	–	INVERTER-4 Unit(Display)	—
	DUNTKC021DE04	–	R/C,LED Unit(Display)	—
	DUNTKC022DE04	–	KEY Unit(Display)	—
	DUNTKC023DE04	–	AUDIO Unit(Display)	—
	DUNTKC024DE04	–	SPEAKER JACK Unit (Display)	—
	DUNTKC027DE04	–	THERMISTOR Unit(Display)	—
	RDENCA032WJZZ	–	POWER Unit(Display)	—
	B2SX4102BT (A2SX4102BT)	J	1 Bit Amplifier Unit(Display)	BL
	DSETGC009FE05	J	AVC System Unit	—

LCD PANEL

NOTE: THE PARTS HERE SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.

Ref. No.	Part No.	★	Description	Code
	RLCDTA018WJZZ	J	37" LCD Panel Unit	HG

DUNTKC009FE04
MAIN UNIT (AVC System)

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC402	VHiTC90A69F-1Y	J	TC90A69F	AT
IC404	VHiML6428C1-1Y	J	ML6428	AP
IC604	VHiTA1318AF1EY	J	TA1318AF	AS
IC801	VHiTB1274AF1EQ	J	TB1274AF	AX
IC802	VHiTB1274AF1EQ	J	TB1274AF	AX
IC803	VHiCXA2101Q-1Q	J	CXA2101AQ-TL	BE
IC807	VHiTC7W34U/-1Y	J	TC7W34FU	AE
IC808	VHiTC7W34U/-1Y	J	TC7W34FU	AE
IC813	VHiBA7655AF-1Y	J	BA7655AF	AG
IC814	VHiBA7655AF-1Y	J	BA7655AF	AG
IC1501	VHiPCA9515P-1Y	J	PCA9515DP_118	AM
IC1502	VHiM62393FP-1Y	J	M62393FP	AK
IC1503	VHiM62320FP-1Y	J	M62320FP	AH
IC1504	VHiTC7W53U/-1Y	J	TC7W53FU	AF
IC1506	VHiBR24L08M-1Y	J	BR24L08FVM-WTR	AE
IC1508	VHiBD4729G+-1Y	J	BD4729G-TR	AD
IC1801	VHiPQ070XH2-1Y	J	PQ070XH02ZP	AG
IC1802	VHiPQ070XH2-1Y	J	PQ070XH02ZP	AG
IC1803	VHiPQ070XH2-1Y	J	PQ070XH02ZP	AG
IC1804	VHiPQ20WZ11-1Y	J	PQ20WZ1U	AF
IC1805	VHiBD4729G+-1Y	J	BD4729G-TR	AD
IC1901	RH-iXA802WJN3Q	J	XC9572XL-10VQ	AU
IC1902	VHiM62320FP-1Y	J	M62320FP	AH
IC7001	VHiPD64084+-1Q	J	UPD64084GC-8EA	BC
IC7002	VHiSi3025LA-1Y	J	SI-3025LSA-TL	AF
IC7003	VHiTK15420/-1Y	J	TK15420MTL	AG
IC7004	VHiBA033FP/-1Y	J	BA033FP-E2	AG
IC7005	VHiBD4729G+-1Y	J	BD4729G-TR	AD
IC7200	RH-iX3289CEZZ	J	IX3289CE	AQ
IC7203	VHiPCA9515P-1Y	J	PCA9515DP_118	AM
FL810	VHiSM5301AS-1Y	J	SM5301AS-G-ET	AR

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q403	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q404	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q407	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q408	VS2SA1530AR-1Y	J	2SA1530AR	AB

DUNTKC009FE04

MAIN UNIT (AVC System) (Continued)

Ref. No.	Part No.	★	Description	Code
Q409	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q410	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q416	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q417	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q418	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q801	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q802	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q803	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q804	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q809	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q814	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q815	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q816	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q818	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q819	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q820	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q821	VS2SC2735//1EY	J	2SC2735	AC
Q822	VS2SC2735//1EY	J	2SC2735	AC
Q823	VS2SC2735//1EY	J	2SC2735	AC
Q824	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q825	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q826	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q827	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q828	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q830	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q837	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q838	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q839	VS2SC2735//1EY	J	2SC2735	AC
Q840	VS2SC2735//1EY	J	2SC2735	AC
Q841	VS2SC2735//1EY	J	2SC2735	AC
Q842	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q843	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q844	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q901	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q902	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q903	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q904	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q905	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q906	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1502	VSDTC144EE/-1Y	J	DTC144EE	AA
Q1503	VS2SB1132Q/-1Y	J	2SB1132Q	AC
Q1504	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q1507	VSDTC144EE/-1Y	J	DTC144EE	AA
Q1508	VSiMD2A////-1Y	J	IMD2A	AC
Q1509	VSiMD2A////-1Y	J	IMD2A	AC
Q1512	VSiMD2A////-1Y	J	IMD2A	AC
Q1801	VS2SB1132Q/-1Y	J	2SB1132Q	AC
Q1802	VSDTC124EKA-1Y	J	DTC124EKA	AB
Q7001	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q7002	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q7003	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q7004	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q7005	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q7006	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q7007	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q7008	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q7013	VS2SK536///-1Y	J	2SK536	AE
Q7014	VS2SK536///-1Y	J	2SK536	AE
Q7051	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q7201	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q7206	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q7207	VSDTC144EE/-1Y	J	DTC144EE	AA

DIODES

Ref. No.	Part No.	★	Description	Code
D801	VHDDAN222//-1Y	J	Diode	AA
D1502	VHDDAN222//-1Y	J	Diode	AA
D1503	VHDDAN222//-1Y	J	Diode	AA
D1505	VHD1SS355//-1Y	J	Diode	AB
D7001	VHD1SS355//-1Y	J	Diode	AB
D7201	VHD1SS355//-1Y	J	Diode	AB
D7202	VHD1SS355//-1Y	J	Diode	AB

PACKAGED CIRCUITS

Ref. No.	Part No.	★	Description	Code
X601	RFiLA0034CEZZ	J	Filter	AD
X801	RCRSB0244CEZZ+	J	Crystal	AF
X802	RCRSB0244CEZZ+	J	Crystal	AF
X1901	RCRSZ0093CEZZY	J	Crystal	AM
X7001	RCRSC0026CEZZY	J	Crystal	AG

FILTERS AND COILS

Ref. No.	Part No.	★	Description	Code
CF7201	RFiLA0098CEZZ+	J	Ceramic Filter	AD
FL7002	RFiLN0097GEZZY	J	Filter	AF
FL7004	RCiLF0306CEZZY	J	Coil	AH
FL7005	RCiLV0108GEZZY	J	Coil	AG
L406	VPD9M4R7MR53NY	J	Peaking 4.7µH	AB
L407	VPD9M220J2R7NY	J	Peaking 22µH	AC
L408	VPD9M270J3R2NY	J	Peaking 27µH	AB
L410	VPD9M4R7MR53NY	J	Peaking 4.7µH	AB
L805	VPD9M2R2MR32NY	J	Peaking 2.2µH	AB
L808	VPD9M220J2R7NY	J	Peaking 22µH	AC
L809	VPD9M220J2R7NY	J	Peaking 22µH	AC
L810	VPD9M220J2R7NY	J	Peaking 22µH	AC
L7001	VPD9M5R6J1R6NY	J	Peaking 5.6µH	AB
L7002	VPD9M220J2R7NY	J	Peaking 22µH	AC
L7003	VPD9M820J9R5NY	J	Peaking 82µH	AC

CAPACITORS

Ref. No.	Part No.	★	Description			Code
C415	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C416	VCEASX1CN476MY	J	47	16V	Electrolytic	AC
C425	VCCCCY1HH120JY	J	12p	50V	Ceramic	AA
C426	VCCCCY1HH100DY	J	10p	50V	Ceramic	AA
C427	VCCCCY1HH120JY	J	12p	50V	Ceramic	AA
C428	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C429	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C430	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C431	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C432	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C433	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C434	VCKYTV1CB474KY	J	0.47	16V	Ceramic	AC
C435	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C436	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C437	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C438	VCEASW1CN107MY	J	100	16V	Electrolytic	AC
C439	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C440	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C441	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C442	VCKYCY1HB681KY	J	680p	50V	Ceramic	AA
C443	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C444	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C445	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C447	VCCCCY1HH101JY	J	100p	50V	Ceramic	AA
C453	VCKYTV1CB105KY	J	1	16V	Ceramic	AC
C454	VCKYTV1EB104KY	J	0.1	25V	Ceramic	AB
C455	VCEASX1CN107MY	J	100	16V	Electrolytic	AC
C456	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C457	VCCCCY1HH270JY	J	27p	50V	Ceramic	AA
C458	VCCCCY1HH560JY	J	56p	50V	Ceramic	AB
C459	VCKYCY1CB104KY	J	0.1	16V	Ceramic	AB
C460	VCEASX1CN476MY	J	47	16V	Electrolytic	AC
C614	VCKYTV1CB105KY	J	1	16V	Ceramic	AC
C615	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C616	VCKYTV1CB105KY	J	1	16V	Ceramic	AC
C617	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C618	VCEASW1CN337MY	J	330	16V	Electrolytic	AD
C623	VCEASX1CN476MY	J	47	16V	Electrolytic	AC
C646	VCKYTV1CB105KY	J	1	16V	Ceramic	AC
C802	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C803	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C804	VCEASW1CN107MY	J	100	16V	Electrolytic	AC
C805	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C806	VCCCCY1HH470JY	J	47p	50V	Ceramic	AA
C807	VCKYTV1EB104KY	J	0.1	25V	Ceramic	AB
C808	VCKYTV1EB104KY	J	0.1	25V	Ceramic	AB
C809	VCKYTV1EB104KY	J	0.1	25V	Ceramic	AB
C810	RC-KZ0117TAZZY	J	4.7	50V	Ceramic	AD
C811	VCKYTV1EB104KY	J	0.1	25V	Ceramic	AB
C812	VCKYTV1EB104KY	J	0.1	25V	Ceramic	AB

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MAIN UNIT (AVC System) (Continued)

Ref. No.	Part No.	★	Description			Code
C813	VCKYTV1EB104KY	J	0.1	25V	Ceramic	AB
C814	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C815	VCAAPF0JJ107MY	J	100	6.3V	Electrolytic	AF
C816	VCCCCY1HH9R0DY	J	9p	50V	Ceramic	AA
C817	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C818	VCKYTV1CB474KY	J	0.47	16V	Ceramic	AC
C819	RC-KZA081WJZZY	J	2.2	50V	Ceramic	AB
C820	VCKYCY1EB223KY	J	0.022	25V	Ceramic	AA
C822	VCKYTV1EB104KY	J	0.1	25V	Ceramic	AB
C823	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C824	VCKYTV1EB104KY	J	0.1	25V	Ceramic	AB
C825	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C826	VCEASW1CN107MY	J	100	16V	Electrolytic	AC
C827	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C828	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C829	VCEASX1CN106MY	J	10	16V	Electrolytic	AC
C830	VCKYTV1EB104KY	J	0.1	25V	Ceramic	AB
C831	VCKYTV1EB104KY	J	0.1	25V	Ceramic	AB
C832	VCKYTV1EB104KY	J	0.1	25V	Ceramic	AB
C833	RC-KZ0117TAZZY	J	4.7	50V	Ceramic	AD
C834	VCKYTV1EB104KY	J	0.1	25V	Ceramic	AB
C835	VCKYTV1EB104KY	J	0.1	25V	Ceramic	AB
C836	VCKYTV1EB104KY	J	0.1	25V	Ceramic	AB
C837	VCAAPF0JJ107MY	J	100	6.3V	Electrolytic	AF
C838	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C839	VCCCCY1HH9R0DY	J	9p	50V	Ceramic	AA
C840	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C841	VCKYTV1CB474KY	J	0.47	16V	Ceramic	AC
C842	VCKYTV1EB104KY	J	0.1	25V	Ceramic	AB
C843	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C844	VCKYTV1EB104KY	J	0.1	25V	Ceramic	AB
C845	RC-KZA081WJZZY	J	2.2	50V	Ceramic	AB
C846	VCKYCY1EB223KY	J	0.022	25V	Ceramic	AA
C847	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C848	VCKYTV1CB105KY	J	1	16V	Ceramic	AC
C849	VCKYTV1CB105KY	J	1	16V	Ceramic	AC
C850	VCKYTV1CB105KY	J	1	16V	Ceramic	AC
C851	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C852	VCEASW1CN477MY	J	470	16V	Electrolytic	AD
C853	VCKYTV1CB105KY	J	1	16V	Ceramic	AC
C854	VCKYTV1CB105KY	J	1	16V	Ceramic	AC
C855	VCKYTV1CB105KY	J	1	16V	Ceramic	AC
C856	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C857	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C858	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C859	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C861	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C862	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C863	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C864	RC-KZA041WJZZY	J	10	10V	Ceramic	AC
C866	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C867	VCCCCY1HH470JY	J	47p	50V	Ceramic	AA
C868	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C869	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C870	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C871	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C872	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C873	VCKYTV1EB104KY	J	0.1	25V	Ceramic	AB
C874	VCKYTV1EB104KY	J	0.1	25V	Ceramic	AB
C875	VCKYTV1EB104KY	J	0.1	25V	Ceramic	AB
C876	VCKYCY1HB222KY	J	2200p	50V	Ceramic	AA
C877	VCKYTV1CB474KY	J	0.47	16V	Ceramic	AC
C878	VCKYTV1CB474KY	J	0.47	16V	Ceramic	AC
C879	VCEASX1CN226MY	J	22	16V	Electrolytic	AC
C880	VCKYTV1EB104KY	J	0.1	25V	Ceramic	AB
C881	VCKYTV1EB104KY	J	0.1	25V	Ceramic	AB
C882	VCKYTV1EB104KY	J	0.1	25V	Ceramic	AB
C885	VCEASX1CN226MY	J	22	16V	Electrolytic	AC
C886	VCCCCY1HH390JY	J	39p	50V	Ceramic	AA
C887	VCEASX1CN106MY	J	10	16V	Electrolytic	AC
C888	VCKYTV1CB474KY	J	0.47	16V	Ceramic	AC
C890	RC-KZ1025CEZZY	J	1	10V	Ceramic	AB
C891	VCEASX1CN476MY	J	47	16V	Electrolytic	AC
C892	VCKYTV1EB104KY	J	0.1	25V	Ceramic	AB
C893	VCKYTV1EB104KY	J	0.1	25V	Ceramic	AB
C894	VCKYTV1EB104KY	J	0.1	25V	Ceramic	AB
C895	VCKYTV1EB104KY	J	0.1	25V	Ceramic	AB
C896	VCKYTV1EB104KY	J	0.1	25V	Ceramic	AB
C897	VCKYTV1EB104KY	J	0.1	25V	Ceramic	AB
C898	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C899	VCEASW1CN107MY	J	100	16V	Electrolytic	AC
C900	VCEASW1CN107MY	J	100	16V	Electrolytic	AC
C901	VCAAPF1CJ396MY	J	39	16V	Electrolytic	AF
C902	VCKYTV1CB105KY	J	1	16V	Ceramic	AC
C903	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C912	VCKYTV1CB474KY	J	0.47	16V	Ceramic	AC
C913	VCKYTV1CB474KY	J	0.47	16V	Ceramic	AC
C914	VCAAPF1CJ396MY	J	39	16V	Electrolytic	AF
C915	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C916	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C917	VCKYTV1EB104KY	J	0.1	25V	Ceramic	AB
C918	VCKYTV1EB104KY	J	0.1	25V	Ceramic	AB
C919	VCKYTV1EB104KY	J	0.1	25V	Ceramic	AB
C920	VCKYTV1CB105KY	J	1	16V	Ceramic	AC
C921	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C922	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C923	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C924	RC-KZ1025CEZZY	J	1	10V	Ceramic	AB
C925	VCAAPF1CJ396MY	J	39	16V	Electrolytic	AF
C926	VCEASX1CN226MY	J	22	16V	Electrolytic	AC
C927	VCEASX1CN226MY	J	22	16V	Electrolytic	AC
C935	VCEASW1CN107MY	J	100	16V	Electrolytic	AC
C936	VCKYTV1CB105KY	J	1	16V	Ceramic	AC
C937	VCKYTV1CB105KY	J	1	16V	Ceramic	AC
C938	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C942	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C943	VCKYTV1EB104KY	J	0.1	25V	Ceramic	AB
C944	RC-KZ1025CEZZY	J	1	10V	Ceramic	AB
C947	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C948	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C950	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C951	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C952	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C953	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C954	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C955	VCCCCY1HH120JY	J	12p	50V	Ceramic	AA
C956	VCCCCY1HH100DY	J	10p	50V	Ceramic	AA
C957	VCCCCY1HH330JY	J	33p	50V	Ceramic	AA
C958	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C959	VCCCCY1HH120JY	J	12p	50V	Ceramic	AA
C960	VCCCCY1HH100DY	J	10p	50V	Ceramic	AA
C961	VCCCCY1HH330JY	J	33p	50V	Ceramic	AA
C962	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C963	VCCCCY1HH120JY	J	12p	50V	Ceramic	AA
C964	VCCCCY1HH100DY	J	10p	50V	Ceramic	AA
C965	VCCCCY1HH330JY	J	33p	50V	Ceramic	AA
C966	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1502	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1503	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1504	VCEASW1CN107MY	J	100	16V	Electrolytic	AC
C1505	VCEASX1CN476MY	J	47	16V	Electrolytic	AC
C1506	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1507	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1508	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1511	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1549	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1550	VCEASX1CN476MY	J	47	16V	Electrolytic	AC
C1801	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1802	VCEASX1VN226MY	J	22	35V	Electrolytic	AC
C1803	VCEASW1CN107MY	J	100	16V	Electrolytic	AC
C1804	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1805	VCKYCY1HB102KY	J	1000p	50V	Ceramic	AA
C1806	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1807	VCEASX1VN226MY	J	22	35V	Electrolytic	AC
C1808	VCEASW1CN107MY	J	100	16V	Electrolytic	AC
C1809	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA

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MAIN UNIT (AVC System) (Continued)

Ref. No.	Part No.	★	Description			Code
C1810	VCKYCY1HB102KY	J	1000p	50V	Ceramic	AA
C1811	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1812	VCEASX1VN226MY	J	22	35V	Electrolytic	AC
C1813	VCEASW1CN107MY	J	100	16V	Electrolytic	AC
C1814	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1815	VCKYCY1HB102KY	J	1000p	50V	Ceramic	AA
C1816	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1817	VCEASW1CN107MY	J	100	16V	Electrolytic	AC
C1818	VCEASW1CN107MY	J	100	16V	Electrolytic	AC
C1819	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1820	VCKYCY1HB102KY	J	1000p	50V	Ceramic	AA
C1821	VCKYCY1HB102KY	J	1000p	50V	Ceramic	AA
C1822	VCKYCY1HB102KY	J	1000p	50V	Ceramic	AA
C1823	VCKYCY1HB102KY	J	1000p	50V	Ceramic	AA
C1824	VCKYCY1HB102KY	J	1000p	50V	Ceramic	AA
C1825	VCKYCY1HB102KY	J	1000p	50V	Ceramic	AA
C1826	VCEASW1CN107MY	J	100	16V	Electrolytic	AC
C1827	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1901	VCEASW1CN107MY	J	100	16V	Electrolytic	AC
C1902	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1904	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1905	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1906	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1909	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1910	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1911	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C7001	VCCCCY1HH220JY	J	22p	50V	Ceramic	AA
C7002	VCCCCY1HH220JY	J	22p	50V	Ceramic	AA
C7003	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C7004	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C7005	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C7006	VCKYCY1EB473KY	J	0.047	25V	Ceramic	AA
C7007	VCCCCY1HH561JY	J	560p	50V	Ceramic	AB
C7008	VCKYCY1HB102KY	J	1000p	50V	Ceramic	AA
C7009	VCEASX1CN106MY	J	10	16V	Electrolytic	AC
C7010	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C7011	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C7012	VCKYTV1CB474KY	J	0.47	16V	Ceramic	AC
C7013	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C7014	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C7015	VCCCCY1HH471JY	J	470p	50V	Ceramic	AA
C7016	VCKYTV1EB334KY	J	0.33	25V	Ceramic	AB
C7017	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C7018	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C7019	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C7020	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C7021	VCEASX1CN106MY	J	10	16V	Electrolytic	AC
C7022	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C7023	VCCCCY1HH101JY	J	100p	50V	Ceramic	AA
C7024	VCKYTV1CB105KY	J	1	16V	Ceramic	AC
C7025	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C7026	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C7027	VCAAPD1CJ396MY	J	39	16V	Electrolytic	AF
C7028	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C7029	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C7031	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C7032	VCEASW1CN107MY	J	100	16V	Electrolytic	AC
C7033	VCEASX1CN476MY	J	47	16V	Electrolytic	AC
C7034	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C7035	VCCCCY1HH121JY	J	120p	50V	Ceramic	AA
C7036	VCCCCY1HH680JY	J	68p	50V	Ceramic	AA
C7037	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C7038	VCCCCY1HH101JY	J	100p	50V	Ceramic	AA
C7040	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C7041	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C7042	VCEASX1CN476MY	J	47	16V	Electrolytic	AC
C7043	VCCCCY1HH120JY	J	12p	50V	Ceramic	AA
C7044	VCCCCY1HH270JY	J	27p	50V	Ceramic	AA
C7045	VCCCCY1HH100DY	J	10p	50V	Ceramic	AA
C7046	VCCCCY1HH330JY	J	33p	50V	Ceramic	AA
C7050	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C7051	VCEASW1CN107MY	J	100	16V	Electrolytic	AC
C7052	VCEASW1CN337MY	J	330	16V	Electrolytic	AD
C7053	VCEASW1CN107MY	J	100	16V	Electrolytic	AC
C7054	VCEASW1CN107MY	J	100	16V	Electrolytic	AC
C7055	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C7057	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C7058	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C7059	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C7060	VCEASX1CN106MY	J	10	16V	Electrolytic	AC
C7061	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C7201	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C7203	VCCCCY1HH330JY	J	33p	50V	Ceramic	AA
C7204	VCCCCY1HH330JY	J	33p	50V	Ceramic	AA
C7205	VCCCCY1HH330JY	J	33p	50V	Ceramic	AA
C7207	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C7208	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C7209	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C7210	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C7221	VCEASW1CN107MY	J	100	16V	Electrolytic	AC
C7225	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C7226	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA

RESISTORS

Ref. No.	Part No.	★	Description			Code
R406	VRS-CY1JF152JY	J	1.5k	1/16W	Metal Oxide	AA
R407	VRS-CY1JF152JY	J	1.5k	1/16W	Metal Oxide	AA
R408	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R409	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R411	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R413	VRS-CY1JF122JY	J	1.2k	1/16W	Metal Oxide	AA
R418	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R422	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R423	VRS-CY1JF104JY	J	100k	1/16W	Metal Oxide	AA
R424	VRS-TV1JD561JY	J	560	1/16W	Metal Oxide	AA
R425	VRS-CY1JF122JY	J	1.2k	1/16W	Metal Oxide	AA
R426	VRS-CY1JF222JY	J	2.2k	1/16W	Metal Oxide	AA
R427	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R429	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R438	VRS-CY1JF330JY	J	33	1/16W	Metal Oxide	AA
R439	VRS-CY1JF330JY	J	33	1/16W	Metal Oxide	AA
R440	VRS-CY1JF331JY	J	330	1/16W	Metal Oxide	AA
R443	VRS-CY1JF331JY	J	330	1/16W	Metal Oxide	AA
R444	VRS-CY1JF361JY	J	360	1/16W	Metal Oxide	AA
R445	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R446	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R447	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R448	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R450	VRS-CY1JF273JY	J	27k	1/16W	Metal Oxide	AA
R451	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R452	VRS-CY1JF273JY	J	27k	1/16W	Metal Oxide	AA
R458	VRS-CY1JF560JY	J	56	1/16W	Metal Oxide	AA
R459	VRS-CY1JF560JY	J	56	1/16W	Metal Oxide	AA
R460	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R461	VRS-CY1JF911JY	J	910	1/16W	Metal Oxide	AB
R462	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R465	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R466	VRS-CY1JF911JY	J	910	1/16W	Metal Oxide	AB
R467	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R468	VRS-CY1JF560JY	J	56	1/16W	Metal Oxide	AA
R470	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R471	VRS-CY1JF911JY	J	910	1/16W	Metal Oxide	AB
R472	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R473	VRS-CY1JF331JY	J	330	1/16W	Metal Oxide	AA
R474	VRS-CY1JF361JY	J	360	1/16W	Metal Oxide	AA
R607	VRS-CY1JF123JY	J	12k	1/16W	Metal Oxide	AA
R608	VRS-CY1JF123JY	J	12k	1/16W	Metal Oxide	AA
R609	VRS-CY1JF330JY	J	33	1/16W	Metal Oxide	AA
R610	VRS-CY1JF330JY	J	33	1/16W	Metal Oxide	AA
R611	VRS-CY1JF512JY	J	5.1k	1/16W	Metal Oxide	AA
R612	VRS-CY1JF391JY	J	390	1/16W	Metal Oxide	AA
R613	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R614	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R615	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R620	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R657	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R664	VRS-CY1JF223JY	J	22k	1/16W	Metal Oxide	AA

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MAIN UNIT (AVC System) (Continued)

Ref. No.	Part No.	★	Description	Code
R665	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R672	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R674	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R800	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R801	VRS-CY1JF561JY	J	560 1/16W Metal Oxide	AA
R802	VRS-CY1JF330JY	J	33 1/16W Metal Oxide	AA
R803	VRS-CY1JF330JY	J	33 1/16W Metal Oxide	AA
R805	VRS-CY1JF273JY	J	27k 1/16W Metal Oxide	AA
R807	VRS-CY1JF392JY	J	3.9k 1/16W Metal Oxide	AA
R808	VRS-CY1JF330JY	J	33 1/16W Metal Oxide	AA
R809	VRS-CY1JF330JY	J	33 1/16W Metal Oxide	AA
R810	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R811	VRS-CY1JF273JY	J	27k 1/16W Metal Oxide	AA
R812	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R813	VRS-CY1JF392JY	J	3.9k 1/16W Metal Oxide	AA
R816	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R817	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R818	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R819	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R827	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R830	VRS-CY1JF681JY	J	680 1/16W Metal Oxide	AA
R831	VRS-CY1JF471JY	J	470 1/16W Metal Oxide	AA
R832	VRS-CY1JF473FY	J	47k 1/16W Metal Oxide	AA
R833	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R834	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R835	VRS-CY1JF470JY	J	47 1/16W Metal Oxide	AA
R836	VRS-CY1JF470JY	J	47 1/16W Metal Oxide	AA
R837	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R838	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R839	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R840	VRS-CY1JF331JY	J	330 1/16W Metal Oxide	AA
R841	VRS-CY1JF470JY	J	47 1/16W Metal Oxide	AA
R842	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R843	VRS-CY1JF331JY	J	330 1/16W Metal Oxide	AA
R844	VRS-CY1JF682JY	J	6.8k 1/16W Metal Oxide	AA
R845	VRS-CY1JF331JY	J	330 1/16W Metal Oxide	AA
R846	VRS-CY1JF470JY	J	47 1/16W Metal Oxide	AA
R847	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R848	VRS-CY1JF391JY	J	390 1/16W Metal Oxide	AA
R850	VRS-CY1JF470JY	J	47 1/16W Metal Oxide	AA
R851	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R853	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R854	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R855	VRS-CY1JF335JY	J	3.3M 1/16W Metal Oxide	AA
R857	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R858	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R859	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R860	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R861	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R862	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R863	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R864	VRS-CY1JF330JY	J	33 1/16W Metal Oxide	AA
R865	VRS-CY1JF330JY	J	33 1/16W Metal Oxide	AA
R866	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R867	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R868	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R869	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R870	VRS-CY1JF821JY	J	820 1/16W Metal Oxide	AA
R873	VRS-CY1JF223FY	J	22k 1/16W Metal Oxide	AA
R874	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R875	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R876	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R886	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R891	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R892	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R894	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R896	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R901	VRS-CY1JF183JY	J	18k 1/16W Metal Oxide	AA
R902	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R903	VRS-CY1JF183JY	J	18k 1/16W Metal Oxide	AA
R904	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R905	VRS-CY1JF183JY	J	18k 1/16W Metal Oxide	AA
R906	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R907	VRS-CY1JF560JY	J	56 1/16W Metal Oxide	AA
R908	VRS-TQ2BD151JY	J	150 1/8W Metal Oxide	AA
R909	VRS-CY1JF471JY	J	470 1/16W Metal Oxide	AA
R910	VRS-CY1JF181JY	J	180 1/16W Metal Oxide	AA
R911	VRS-CY1JF471JY	J	470 1/16W Metal Oxide	AA
R912	VRS-CY1JF432JY	J	4.3k 1/16W Metal Oxide	AA
R913	VRS-TQ2BD151JY	J	150 1/8W Metal Oxide	AA
R914	VRS-CY1JF152JY	J	1.5k 1/16W Metal Oxide	AA
R915	VRS-CY1JF560JY	J	56 1/16W Metal Oxide	AA
R918	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R919	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R920	VRS-CY1JF560JY	J	56 1/16W Metal Oxide	AA
R921	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R922	VRS-CY1JF560JY	J	56 1/16W Metal Oxide	AA
R923	VRS-CY1JF560JY	J	56 1/16W Metal Oxide	AA
R924	VRS-CY1JF682JY	J	6.8k 1/16W Metal Oxide	AA
R925	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R926	VRS-CY1JF332JY	J	3.3k 1/16W Metal Oxide	AA
R927	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R928	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R929	VRS-CY1JF560JY	J	56 1/16W Metal Oxide	AA
R930	VRS-CY1JF560JY	J	56 1/16W Metal Oxide	AA
R931	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R932	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R933	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R934	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R935	VRS-CY1JF821JY	J	820 1/16W Metal Oxide	AA
R936	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R937	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R938	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R939	VRS-CY1JF821JY	J	820 1/16W Metal Oxide	AA
R940	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R941	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R942	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R943	VRS-CY1JF821JY	J	820 1/16W Metal Oxide	AA
R944	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R945	VRS-CY1JF821JY	J	820 1/16W Metal Oxide	AA
R946	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R947	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R948	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R949	VRS-CY1JF821JY	J	820 1/16W Metal Oxide	AA
R950	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R951	VRS-CY1JF821JY	J	820 1/16W Metal Oxide	AA
R952	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R953	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R954	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R955	VRS-CY1JF821JY	J	820 1/16W Metal Oxide	AA
R956	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R957	VRS-CY1JF821JY	J	820 1/16W Metal Oxide	AA
R958	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R959	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R960	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R961	VRS-CY1JF821JY	J	820 1/16W Metal Oxide	AA
R962	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R980	VRS-CY1JF560JY	J	56 1/16W Metal Oxide	AA
R996	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R997	VRS-CY1JF560JY	J	56 1/16W Metal Oxide	AA
R998	VRS-CY1JF560JY	J	56 1/16W Metal Oxide	AA
R999	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R1508	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R1509	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R1510	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1511	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1513	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R1514	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R1515	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R1516	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R1517	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R1518	VRS-CY1JF330JY	J	33 1/16W Metal Oxide	AA
R1519	VRS-CY1JF330JY	J	33 1/16W Metal Oxide	AA
R1521	VRS-CY1JF391JY	J	390 1/16W Metal Oxide	AA
R1522	VRS-CY1JF391JY	J	390 1/16W Metal Oxide	AA
R1524	VRS-CY1JF391JY	J	390 1/16W Metal Oxide	AA

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MAIN UNIT (AVC System) (Continued)

Ref. No.	Part No.	★	Description	Code
R1525	VRS-CY1JF391JY	J	390 1/16W Metal Oxide	AA
R1528	VRS-CY1JF392JY	J	3.9k 1/16W Metal Oxide	AA
R1529	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R1530	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R1531	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1533	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1534	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1535	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R1537	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1538	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R1541	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R1544	VRS-CY1JF330JY	J	33 1/16W Metal Oxide	AA
R1545	VRS-CY1JF330JY	J	33 1/16W Metal Oxide	AA
R1546	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1547	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1549	VRS-CY1JF123JY	J	12k 1/16W Metal Oxide	AA
R1550	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R1551	VRS-CY1JF102FY	J	1k 1/16W Metal Oxide	AA
R1556	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1557	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1562	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1563	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R1564	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1565	VRS-CY1JF391JY	J	390 1/16W Metal Oxide	AA
R1567	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R1568	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R1569	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R1570	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R1571	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R1572	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R1580	VRS-CY1JF330JY	J	33 1/16W Metal Oxide	AA
R1581	VRS-CY1JF330JY	J	33 1/16W Metal Oxide	AA
R1582	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1583	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1584	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1594	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R1596	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R1801	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1802	VRS-CY1JF102FY	J	1k 1/16W Metal Oxide	AA
R1803	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1804	VRS-CY1JF302FY	J	3k 1/16W Metal Oxide	AA
R1805	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1806	VRS-CY1JF102FY	J	1k 1/16W Metal Oxide	AA
R1807	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1808	VRS-CY1JF302FY	J	3k 1/16W Metal Oxide	AA
R1809	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1810	VRS-CY1JF102FY	J	1k 1/16W Metal Oxide	AA
R1811	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1812	VRS-CY1JF302FY	J	3k 1/16W Metal Oxide	AA
R1813	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1814	VRS-CY1JF102FY	J	1k 1/16W Metal Oxide	AA
R1815	VRS-CY1JF221FY	J	220 1/16W Metal Oxide	AA
R1816	VRS-CY1JF222FY	J	2.2k 1/16W Metal Oxide	AA
R1817	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1818	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R1819	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R1820	VRS-CY1JF123JY	J	12k 1/16W Metal Oxide	AA
R1901	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R1902	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R1903	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1905	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1906	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1907	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1913	VRS-CH1JF101JY	J	100 1/16W Metal Oxide	AA
R1914	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1915	VRS-CY1JF680JY	J	68 1/16W Metal Oxide	AA
R1916	VRS-CY1JF680JY	J	68 1/16W Metal Oxide	AA
R1918	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1919	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R1920	VRS-CH1JF102JY	J	1k 1/16W Metal Oxide	AA
R1926	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1927	VRS-CH1JF103JY	J	10k 1/16W Metal Oxide	AA
R1931	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1932	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1933	VRS-CY1JF330JY	J	33 1/16W Metal Oxide	AA
R1934	VRS-CY1JF330JY	J	33 1/16W Metal Oxide	AA
R1935	VRS-CH1JF102JY	J	1k 1/16W Metal Oxide	AA
R1939	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1940	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R1942	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R1943	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1944	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R7001	VRS-CY1JF361JY	J	360 1/16W Metal Oxide	AA
R7002	VRS-CY1JF471JY	J	470 1/16W Metal Oxide	AA
R7003	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7004	VRS-CY1JF333JY	J	33k 1/16W Metal Oxide	AA
R7005	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R7006	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R7009	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R7010	VRS-CY1JF471JY	J	470 1/16W Metal Oxide	AA
R7011	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7012	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R7013	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R7014	VRS-CY1JF224JY	J	220k 1/16W Metal Oxide	AA
R7015	VRS-CY1JF221JY	J	220 1/16W Metal Oxide	AA
R7021	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R7022	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R7027	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R7028	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7029	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7030	VRS-CY1JF682JY	J	6.8k 1/16W Metal Oxide	AA
R7031	VRS-CY1JF122JY	J	1.2k 1/16W Metal Oxide	AA
R7032	VRS-CY1JF471JY	J	470 1/16W Metal Oxide	AA
R7033	VRS-CY1JF561JY	J	560 1/16W Metal Oxide	AA
R7034	VRS-CY1JF911JY	J	910 1/16W Metal Oxide	AB
R7035	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7036	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7037	VRS-CY1JF911JY	J	910 1/16W Metal Oxide	AB
R7038	VRS-CY1JF152JY	J	1.5k 1/16W Metal Oxide	AA
R7039	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7040	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R7041	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7042	VRS-CY1JF391JY	J	390 1/16W Metal Oxide	AA
R7043	VRS-CY1JF132JY	J	1.3k 1/16W Metal Oxide	AG
R7044	VRS-CY1JF561JY	J	560 1/16W Metal Oxide	AA
R7045	VRS-CY1JF151JY	J	150 1/16W Metal Oxide	AA
R7046	VRS-CY1JF561JY	J	560 1/16W Metal Oxide	AA
R7047	VRS-CY1JF911JY	J	910 1/16W Metal Oxide	AB
R7053	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7054	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7055	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7060	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R7061	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R7062	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R7201	VRS-CY1JF105JY	J	1M 1/16W Metal Oxide	AA
R7202	VRS-CY1JF221JY	J	220 1/16W Metal Oxide	AA
R7205	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7206	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7207	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7209	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R7210	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7211	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7215	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7216	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7217	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7224	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7225	VRS-CY1JF332JY	J	3.3k 1/16W Metal Oxide	AA
R7237	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R7238	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7239	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7240	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7241	VRS-CY1JF391JY	J	390 1/16W Metal Oxide	AA
R7243	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R7244	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R7245	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R7246	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA

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MAIN UNIT (AVC System) (Continued)

Ref. No.	Part No.	★	Description	Code
R7247	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R7248	VRS-CY1JF332JY	J	3.3k 1/16W Metal Oxide	AA
R7249	VRS-CY1JF332JY	J	3.3k 1/16W Metal Oxide	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
FB601	RBLN-0061TAZZY	J	Ferrite Bead	AD
FB602	RBLN-0061TAZZY	J	Ferrite Bead	AD
FB803	RBLN-0061TAZZY	J	Ferrite Bead	AD
FB7002	RBLN-0061TAZZY	J	Ferrite Bead	AD
FB7009	RBLN-0061TAZZY	J	Ferrite Bead	AD
P801	QPLGN0062CEZZY	J	Plug, 12-pin	AE
P1505	QPLGN0572FJZZY	J	Plug, 10-pin	AE
P1506	QCNCMA082WJZZY	J	Plug, 6-pin	AD
P1801	QPLGN0546FJZZY	J	Plug, 9-pin	AE
P1803	QCNCMA120WJZZY	J	Connector, 20-pin	AH
P1901	QPLGN1094CEZZ	J	Plug, 10-pin	AF
SC1501	QSOCN0490FJZZY	J	Socket, 30-pin	AF
SC1502	QSOCN0464FJZZY	J	Socket, 50-pin	AH
SC1504	QSOCN0493FJZZY	J	Socket, 45-pin	AG
LUG800	QLUGHA001WJZZY	J	Lug	AD
LUG801	QLUGHA001WJZZY	J	Lug	AD
LUG802	QLUGHA001WJZZY	J	Lug	AD
LUG803	QLUGHA001WJZZY	J	Lug	AD
TP804	QLUGP0110TAFWY	J	Lug	AB
TP805	QLUGP0110TAFWY	J	Lug	AB
TP806	QLUGP0110TAFWY	J	Lug	AB
TP810	QLUGP0110TAFWY	J	Lug	AB
TP811	QLUGP0110TAFWY	J	Lug	AB
TP812	QLUGP0110TAFWY	J	Lug	AB
TP813	QLUGP0110TAFWY	J	Lug	AB
TP814	QLUGP0110TAFWY	J	Lug	AB
TP815	QLUGP0110TAFWY	J	Lug	AB
TP816	QLUGP0110TAFWY	J	Lug	AB
TP7003	QLUGP0110TAFWY	J	Lug	AB
TP7004	QLUGP0110TAFWY	J	Lug	AB
TP7005	QLUGP0110TAFWY	J	Lug	AB

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POWER UNIT (AVC System)

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC701	VHiMR2920++-1	J	MR2920	AQ
IC721	VHiHA17431U-1Y	J	HA17431UA-TL	AE
IC1701	VHiPQ05DZ1U-1Y	J	PQ05DZ1U	AG
IC1702	VHiFA3675F/-1	J	FA3675F	AR
IC1703	VHiPQ09DZ1U-1Y	J	PQ09DZ1U	AG
IC1704	VHiPQ050DZ1-1Y	J	PQ050DZ01Z	AE
IC1705	VHiPQ050DZ1-1Y	J	PQ050DZ01Z	AE
IC1706	VHiMD1422N+-1Y	J	MD1422N	AQ
IC1707	VHiLT1910++-1Y	J	LT1910ES8#TR	AS

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q701	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q702	VS2SC4672Q/-1Y	J	2SC4672Q	AE
Q703	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q721	VSDTC114EKA-1Y	J	DTC114EKA	AB
Q722	VSDTC114EKA-1Y	J	DTC114EKA	AB
Q724	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q725	VSDTA114EKA-1Y	J	DTC114EKA	AB
Q726	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q727	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q1701	VSSi4435DY+-1Y	J	SI4435DY	AF
Q1702	VSSi4435DY+-1Y	J	SI4435DY	AF
Q1703	VSSi4435DY+-1Y	J	SI4435DY	AF
Q1704	VS2SB1132Q/-1Y	J	2SB1132Q	AC
Q1705	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q1706	VSSi4435DY+-1Y	J	SI4435DY	AF
Q1707	VSSi4884DY+-1Y	J	Si4884Dy-T1	AG

DIODES

Ref. No.	Part No.	★	Description	Code
D701	RH-DX0476CEZZ	J	Diode	AG
D702	VHDD1FL20U/-1Y	J	Diode	AC
D703	VHD05NU42//-1Y	J	Diode	AD
D704	VHDD1FL20U/-1Y	J	Diode	AC
D705	RH-EX1294CEZZY	J	Zener Diode, 27V	AB
D706	VHDHSU119//-1Y	J	Diode	AB
D707	RH-EX1294CEZZY	J	Zener Diode, 27V	AB
D709	VHDHSU119//-1Y	J	Diode	AB
D710	VHDHSU119//-1Y	J	Diode	AB
D711	RH-EX1280CEZZY	J	Zener Diode, 16V	AB
D721	VHDSF30SC6+-1	J	Diode	AH
D723	RH-EX1253CEZZY	J	Zener Diode, 6.8V	AB
D724	VHDHSU119//-1Y	J	Diode	AB
D725	RH-EX1247CEZZY	J	Zener Diode, 5.6V	AB
D726	VHDHSU119//-1Y	J	Diode	AB
D727	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
D1701	VHDHSU119//-1Y	J	Diode	AB
D1702	VHDHSU119//-1Y	J	Diode	AB
D1703	RH-EX1241CEZZY	J	Zener Diode, 4.7V	AB
D1704	VHDSFPB74//2EY	J	Diode	AD
D1705	VHDHSU119//-1Y	J	Diode	AB
D1706	RH-EX1241CEZZY	J	Zener Diode, 4.7V	AB
D1707	VHDSFPB74//2EY	J	Diode	AD
D1708	VHDSFPB76//2EY	J	Diode	AD
D1709	VHDSFPB76//2EY	J	Diode	AD
D1710	VHDD1FL20U/-1Y	J	Diode	AC
D1711	VHDHSU119//-1Y	J	Diode	AB
D1712	RH-EX1244CEZZY	J	Zener Diode, 5.1V	AB
D1713	VHDHSU119//-1Y	J	Diode	AB
D1714	VHDHSU119//-1Y	J	Diode	AB
D1715	VHDHSU119//-1Y	J	Diode	AB
D1716	VHDHSU119//-1Y	J	Diode	AB
D1717	VHDSFPB74//2EY	J	Diode	AD
D1718	RH-EX1249CEZZY	J	Zener Diode, 6.2V	AB
D1719	VHDHSU119//-1Y	J	Diode	AB
D1720	VHDHSU119//-1Y	J	Diode	AB
D1721	RH-EX1262CEZZY	J	Zener Diode, 9.1V	AB
D1722	VHDD1FL20U/-1Y	J	Diode	AC
D1723	VHDSFPB74//2EY	J	Diode	AD
D1725	VHDHSU119//-1Y	J	Diode	AB
D1726	VHDDAN222//-1Y	J	Diode	AA

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POWER UNIT (AVC System) (Continued)

Ref. No.	Part No.	★	Description	Code
D1727	RH-EX0602GEZZY	J	Zener Diode	AB
D1786	VHDHSU119//-1Y	J	Diode	AB
D1787	RH-EX1268CEZZY	J	Zener Diode, 11V	AB
VA701	RH-VXA018WJN1	J	Varistor	AD

PACKAGED CIRCUITS

Ref. No.	Part No.	★	Description	Code
⚠ PC701	RH-FXA005WJZZY	J	PC123ZY8	AD
⚠ PC702	RH-FXA005WJZZY	J	PC123ZY8	AD
⚠ PC703	RH-FXA005WJZZY	J	PC123ZY8	AD
⚠ PC704	RH-FXA005WJZZY	J	PC123ZY8	AD

COILS

Ref. No.	Part No.	★	Description	Code
⚠ L701	RCiLFA021WJZZ	J	Coil	AF
L703	RCiLFA021WJZZ	J	Coil	AF
L722	RCiLPA054WJZZ	J	Coil	AD
L1701	RCiLPA112WJZZY	J	Coil	AF
L1702	RCiLPA112WJZZY	J	Coil	AF
L1703	RCiLP0159GEZZY	J	Coil	AD
L1752	RCiLPA112WJZZY	J	Coil	AF
L1765	RCiLPA112WJZZY	J	Coil	AF

TRANSFORMERS

Ref. No.	Part No.	★	Description	Code
⚠ T701	RTRNWA108WJZZ	J	Transformer	AN
T1701	RTRNWA109WJZZY	J	Transformer	AH

CAPACITORS

Ref. No.	Part No.	★	Description	Code
⚠ C701	RC-FZ037SCEZZ	J	Capacitor	AD
⚠ C702	RC-FZ037SCEZZ	J	Capacitor	AD
⚠ C703	RC-KZ0106GEZZ	J	3300p 250V Ceramic	AG
⚠ C704	RC-KZ0106GEZZ	J	3300p 250V Ceramic	AG
⚠ C705	RC-FZ037SCEZZ	J	Capacitor	AD
C707	RC-KZA125WJZZ	J	Capacitor	AC
C708	VCEASW1EN337MY	J	330 25V Electrolytic	AD
C709	VCEASW1HN336MY	J	33 50V Electrolytic	AC
C710	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C711	VCKYCY1HB472KY	J	4700p 50V Ceramic	AA
⚠ C712	RC-KZ0105GEZZ	J	2200p 250V Ceramic	AD
⚠ C713	RC-KZ0105GEZZ	J	2200p 250V Ceramic	AD
⚠ C714	RC-KZ0106GEZZ	J	3300p 250V Ceramic	AG
C715	RC-EZA084WJZZ	J	390 160V Electrolytic	AM
C716	VCKYTV1EB104KY	J	0.1 25V Ceramic	AB
C721	RC-KZ1036CEZZY	J	0.047 250V Ceramic	AC
C722	RC-EZ1088CEZZ	J	2200 16V Electrolytic	AF
C723	RC-EZ1088CEZZ	J	2200 16V Electrolytic	AF
C725	RC-EZ1088CEZZ	J	2200 16V Electrolytic	AF
C728	VCKYTV1EB473KY	J	0.047 25V Ceramic	AB
C729	VCKYTV1EB473KY	J	0.047 25V Ceramic	AB
C730	VCEASX1CN106MY	J	10 16V Electrolytic	AC
C1701	VCKYCY1EB104KY	J	0.1 25V Ceramic	AB
C1702	VCEASW1CN107MY	J	100 16V Electrolytic	AC
C1703	VCEASW1CN477MY	J	470 16V Electrolytic	AD
C1704	VCKYCY1EB104KY	J	0.1 25V Ceramic	AB
C1705	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C1706	VCKYTV1CB474KY	J	0.47 16V Ceramic	AC
C1707	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C1708	VCKYCY1EB104KY	J	0.1 25V Ceramic	AB
C1709	VCKYCY1CB224KY	J	0.22 16V Ceramic	AB
C1710	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C1711	VCKYCY1HB222KY	J	2200p 50V Ceramic	AA
C1712	VCKYCY1HB222KY	J	2200p 50V Ceramic	AA
C1714	VCKYCY1HB222KY	J	2200p 50V Ceramic	AA
C1715	VCKYCY1HB222KY	J	2200p 50V Ceramic	AA
C1716	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C1717	VCKYCY1EB104KY	J	0.1 25V Ceramic	AB
C1718	VCKYTV1HB103KY	J	0.01 50V Ceramic	AA
C1719	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C1720	VCAAPD1CJ396MY	J	39 16V Electrolytic	AF
C1721	VCAAPD0JJ127MY	J	120 6.3V Electrolytic	AF
C1722	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C1723	VCAAPD1CJ396MY	J	39 16V Electrolytic	AF
C1724	VCAAPD0JJ127MY	J	120 6.3V Electrolytic	AF
C1725	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C1726	VCAAPD1CJ396MY	J	39 16V Electrolytic	AF
C1727	VCKYCY1HB222KY	J	2200p 50V Ceramic	AA
C1728	VCEASW1CN227MY	J	220 16V Electrolytic	AC
C1729	VCKYCY1EB104KY	J	0.1 25V Ceramic	AB
C1730	VCEASW1CN107MY	J	100 16V Electrolytic	AC
C1731	VCKYCY1EB104KY	J	0.1 25V Ceramic	AB
C1732	VCEASW1CN107MY	J	100 16V Electrolytic	AC
C1733	VCKYCY1EB104KY	J	0.1 25V Ceramic	AB
C1734	VCEASW1CN107MY	J	100 16V Electrolytic	AC
C1736	VCEASX1CN106MY	J	10 16V Electrolytic	AC
C1737	VCEASW1HN226MY	J	22 50V Electrolytic	AC
C1738	VCKYTV1HF104ZY	J	0.1 50V Ceramic	AB
C1739	VCKYCY1CF334ZY	J	0.33 16V Ceramic	AB
C1740	VCEASW1CN107MY	J	100 16V Electrolytic	AC
C1741	VCKYCY1CF334ZY	J	0.33 16V Ceramic	AB
C1742	VCEASW1CN107MY	J	100 16V Electrolytic	AC
C1743	VCAAPD1CJ826MY	J	82 16V Electrolytic	AF
C1744	VCKYCY1EB104KY	J	0.1 25V Ceramic	AB
C1745	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C1746	VCKYCY1EB103KY	J	0.01 25V Ceramic	AA
C1747	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C1748	VCKYCY1EB103KY	J	0.01 25V Ceramic	AA
C1749	VCKYCY1EB104KY	J	0.1 25V Ceramic	AB
C1750	VCAAPD1AJ157MY	J	150 10V Electrolytic	AF
C1751	VCKYCY1EB104KY	J	0.1 25V Ceramic	AB
C1752	VCAAPD1CJ396MY	J	39 16V Electrolytic	AF
C1753	VCAAPD1CJ396MY	J	39 16V Electrolytic	AF
C1754	VCEASX1CN106MY	J	10 16V Electrolytic	AC
C1755	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C1756	VCEASW1CN107MY	J	100 16V Electrolytic	AC
C1757	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C1758	VCKYCY1EB104KY	J	0.1 25V Ceramic	AB
C1760	VCKYCY1AB105KY	J	1 10V Ceramic	AB
C1796	VCKYCY1EB104KY	J	0.1 25V Ceramic	AB
C1798	VCKYCY1EB473KY	J	0.047 25V Ceramic	AA

RESISTORS

Ref. No.	Part No.	★	Description	Code
⚠ R701	VRS-TW2ED224JY	J	220k 1/4W Metal Oxide	AA
⚠ R702	VRS-TW2ED224JY	J	220k 1/4W Metal Oxide	AA
⚠ R703	VRS-TW2ED224JY	J	220k 1/4W Metal Oxide	AA
⚠ R704	VRW-KQ3NC1R5K	J	1.5 7W Cement	AE
R705	VRN-VV3DBR22J	J	0.22 2W Metal Film	AB
R706	VRS-TQ2BD753FY	J	75k 1/8W Metal Oxide	AA
R707	VRS-TQ2BD303JY	J	30k 1/8W Metal Oxide	AA
R708	VRS-TQ2BD000JY	J	0 1/8W Metal Oxide	AA
R709	VRS-TQ2BD243FY	J	24k 1/8W Metal Oxide	AA
R710	VRS-TQ2BD104JY	J	100k 1/8W Metal Oxide	AA
R711	RR-HZ0048CEZZ	J	Resistor	AB
R712	VRS-TW2ED473JY	J	47k 1/4W Metal Oxide	AA
R713	VRS-TW2ED473JY	J	47k 1/4W Metal Oxide	AA
R714	VRS-TW2ED473JY	J	47k 1/4W Metal Oxide	AA
R715	VRS-TW2ED473JY	J	47k 1/4W Metal Oxide	AA
R716	VRS-TQ2BD104JY	J	100k 1/8W Metal Oxide	AA
R717	VRS-TQ2BD563JY	J	56k 1/8W Metal Oxide	AA
R718	VRS-TW2ED151JY	J	150 1/4W Metal Oxide	AA
R719	VRS-TQ2BD472JY	J	4.7k 1/8W Metal Oxide	AA
R721	VRS-TQ2BD103JY	J	10k 1/8W Metal Oxide	AA
R722	VRS-TQ2BD103JY	J	10k 1/8W Metal Oxide	AA
R724	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R725	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R726	VRS-CY1JF621FY	J	620 1/16W Metal Oxide	AA
R727	VRS-CY1JF752FY	J	7.5k 1/16W Metal Oxide	AA
R728	VRS-CY1JF272FY	J	2.7k 1/16W Metal Oxide	AA
R729	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R730	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R731	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R732	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R733	VRS-CY1JF331JY	J	330 1/16W Metal Oxide	AA
R734	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R735	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R737	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R738	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R739	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R740	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA

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POWER UNIT (AVC System) (Continued)

Ref. No.	Part No.	★	Description	Code
R741	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1700	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1701	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1702	VRS-CY1JF393JY	J	39k 1/16W Metal Oxide	AA
R1703	VRS-CY1JF333JY	J	33k 1/16W Metal Oxide	AA
R1704	VRS-CY1JF563JY	J	56k 1/16W Metal Oxide	AA
R1705	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R1706	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R1707	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R1708	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R1711	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1712	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R1713	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R1714	VRS-CY1JF123FY	J	12k 1/16W Metal Oxide	AA
R1715	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1716	VRS-CY1JF102FY	J	1k 1/16W Metal Oxide	AA
R1717	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1718	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R1719	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R1720	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1722	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R1723	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R1724	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R1725	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1726	VRS-TW2ED120JY	J	12 1/4W Metal Oxide	AA
R1727	VRS-CY1JF272FY	J	2.7k 1/16W Metal Oxide	AA
R1728	VRS-CY1JF331FY	J	330 1/16W Metal Oxide	AA
R1729	VRS-CY1JF182FY	J	1.8k 1/16W Metal Oxide	AA
R1730	VRS-CY1JF123FY	J	12k 1/16W Metal Oxide	AA
R1731	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1732	VRS-TW2ED120JY	J	12 1/4W Metal Oxide	AA
R1733	VRS-CY1JF332FY	J	3.3k 1/16W Metal Oxide	AA
R1734	VRS-CY1JF331FY	J	330 1/16W Metal Oxide	AA
R1735	VRS-CY1JF152FY	J	1.5k 1/16W Metal Oxide	AA
R1736	VRS-CY1JF473FY	J	47k 1/16W Metal Oxide	AA
R1737	VRS-TW2ED120JY	J	12 1/4W Metal Oxide	AA
R1738	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R1739	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R1740	VRS-TW2ED101JY	J	100 1/4W Metal Oxide	AA
R1741	VRS-TQ2BD683JY	J	68k 1/8W Metal Oxide	AA
R1742	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R1743	VRS-CY1JF105JY	J	1M 1/16W Metal Oxide	AA
R1744	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1745	VRS-TW2HPR15JY	J	0.15 1/2W Metal Oxide	AA
R1746	VRS-TW2HPR15JY	J	0.15 1/2W Metal Oxide	AA
R1747	VRS-CY1JF272FY	J	2.7k 1/16W Metal Oxide	AA
R1748	VRS-CY1JF391FY	J	390 1/16W Metal Oxide	AA
R1749	VRS-CY1JF222FY	J	2.2k 1/16W Metal Oxide	AA
R1750	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1751	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1752	VRS-CY1JF332JY	J	3.3k 1/16W Metal Oxide	AA
R1754	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1755	VRS-TW2ED390JY	J	39 1/4W Metal Oxide	AA
R1756	VRS-CY1JF221FY	J	220 1/16W Metal Oxide	AA
R1757	VRS-CY1JF562FY	J	5.6k 1/16W Metal Oxide	AA
R1758	VRS-CY1JF102FY	J	1k 1/16W Metal Oxide	AA
R1759	RR-NZ0029TAZZY	J	Resistor	AC
R1760	RR-NZ0029TAZZY	J	Resistor	AC
R1761	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1766	VRS-CY1JF221FY	J	220 1/16W Metal Oxide	AA
R1767	VRS-CY1JF102FY	J	1k 1/16W Metal Oxide	AA
R1768	VRS-CY1JF221FY	J	220 1/16W Metal Oxide	AA
R1769	VRS-CY1JF102FY	J	1k 1/16W Metal Oxide	AA
R1770	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1772	VRS-CY1JF333JY	J	33k 1/16W Metal Oxide	AA
R1773	VRS-CY1JF563JY	J	56k 1/16W Metal Oxide	AA
R1774	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R1776	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1777	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1778	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1780	VRS-CY1JF824JY	J	820k 1/16W Metal Oxide	AA
R1799	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA

SWITCH

Ref. No.	Part No.	★	Description	Code
⚠ SW701	QSW-P0591CEZZ	J	MAIN POWER	AQ

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
⚠ F701	QFS-D0008CEZZ	J	Fuse, 2A/250V	AE
FH701	QFSHD1002CEZZ	J	Fuse Holder	AA
FH702	QFSHD1002CEZZ	J	Fuse Holder	AA
FB701	RBLN-0037CEZZY	J	Ferrite Bead	AB
FB1701	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB1702	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB1703	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB1704	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB1705	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB1706	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB1707	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB1708	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB1709	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB1710	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB1711	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB1712	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB1713	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB1714	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB1715	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB1716	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB1717	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB1718	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB1719	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB1720	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB1721	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB1722	RBLN-0084CEZZY	J	Ferrite Bead	AC
FB1723	RBLN-0084CEZZY	J	Ferrite Bead	AC
FB1724	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB1725	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB1726	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB1728	RBLN-0210TAZZY	J	Ferrite Bead	AB
J1701	QJAKCA005WJZZ	J	DC OUTPUT Teriminal	AE
P704	QCNCMA119WJZZ	J	Connector, 1-pin	AC
P1701	QPLGNA051WJZZ	J	Plug, 12-pin	AB
P1702	QCNCMA129WJZZ	J	Connector, 20-pin	AF
SC701	QSOCAA003WJZZ	J	AC INPUT Terminal	AD
LUG701	QLUGHA001WJZZY	J	Lug	AD
LUG702	QLUGHA001WJZZY	J	Lug	AD
LUG704	QLUGHA002WJZZ	J	Lug	AB
LUG705	QLUGHA002WJZZ	J	Lug	AB
RDA701	PRDARA047WJFW	J	Heat Sink, for IC701	AF
RDA721	PRDARA047WJFW	J	Heat Sink, for D721	AF
	QCNW-B618WJPZ	J	Connecting Cord	AP
	QCNW-B619WJQZ	J	Connecting Cord	AS
	XBPSD30P10JS0	J	Screw, x2	AA

DUNTKC069DE23
FRONT UNIT (AVC System)

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC2402	VHiVHCT14AF-1Y	J	TC74VHCt14AF	AD
IC2401	VHi24LC21++3ES	J	24LC21	AK

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q2401	VS2SC2735//1EY	J	2SC2735	AC
Q2402	VS2SC2735//1EY	J	2SC2735	AC
Q2403	VS2SC2735//1EY	J	2SC2735	AC
Q2404	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q2405	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q2406	VSDTC144EE/-1Y	J	DTC144EE	AA
Q2407	VSDTC144EE/-1Y	J	DTC144EE	AA
Q2408	VSDTC144EE/-1Y	J	DTC144EE	AA

DIODES

Ref. No.	Part No.	★	Description	Code
D2401	RH-EX1247CEZZY	J	Zener Diode, 5.6V	AB
D2402	VHDMA3120WA-1Y	J	Diode	AD
D2403	VHDMA3120WA-1Y	J	Diode	AD
D2404	VHDMA3120WA-1Y	J	Diode	AD
D2405	RH-EX1247CEZZY	J	Zener Diode, 5.6V	AB
D2406	RH-EX1247CEZZY	J	Zener Diode, 5.6V	AB
D2407	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
D2408	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
D2409	VHDDAN202K/-1Y	J	Diode	AB
D2410	RH-PX0421CEZZY	J	STANDBY/ON Indicator	AD

FILTERS AND COILS

Ref. No.	Part No.	★	Description	Code
FL2401	RFiLN0003TAZZY	J	Filter	AD
FL2402	RFiLN0003TAZZY	J	Filter	AD
FL2403	RFiLN0003TAZZY	J	Filter	AD
FL2412	RFiLN0017TAZZY	J	Filter	AC
FL2413	RFiLN0017TAZZY	J	Filter	AC
FL2414	RFiLN0017TAZZY	J	Filter	AC
L2401	VPD9M100J1R7NY	J	Peaking 10µH	AC

CAPACITORS

Ref. No.	Part No.	★	Description	Code
C2401	VCEASW1CN107MY	J	100 16V Electrolytic	AC
C2402	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C2403	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2404	VCEASX1CN476MY	J	47 16V Electrolytic	AC
C2405	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C2406	RC-KZA073WJZZY	J	10 16V Ceramic	AD
C2407	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C2408	RC-KZA073WJZZY	J	10 16V Ceramic	AD
C2409	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C2410	RC-KZA073WJZZY	J	10 16V Ceramic	AD
C2411	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C2412	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C2414	VCCCCY1HH100DY	J	10p 50V Ceramic	AA
C2415	RC-KZA073WJZZY	J	10 16V Ceramic	AD
C2416	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2417	VCCCCY1HH100DY	J	10p 50V Ceramic	AA
C2418	RC-KZA073WJZZY	J	10 16V Ceramic	AD
C2420	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C2421	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C2422	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C2423	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2428	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C2429	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C2430	VCCCCY1HH560JY	J	56p 50V Ceramic	AB
C2431	VCCCCY1HH560JY	J	56p 50V Ceramic	AB
C2432	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C2433	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C2434	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C2435	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C2436	VCCCCY1HH470JY	J	47p 50V Ceramic	AA
C2437	VCCCCY1HH470JY	J	47p 50V Ceramic	AA
C2438	VCEASX1CN476MY	J	47 16V Electrolytic	AC
C2439	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2440	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C2441	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C2442	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C2443	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C2444	VCCCCY1HH560JY	J	56p 50V Ceramic	AB
C2445	VCCCCY1HH560JY	J	56p 50V Ceramic	AB
C2446	VCCCCY1HH470JY	J	47p 50V Ceramic	AA

RESISTORS

Ref. No.	Part No.	★	Description	Code
R2401	VRS-TQ2BD561JY	J	560 1/8W Metal Oxide	AA
R2402	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2403	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R2404	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2405	VRS-TQ2BD561JY	J	560 1/8W Metal Oxide	AA
R2406	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2407	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R2408	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2409	VRS-TQ2BD561JY	J	560 1/8W Metal Oxide	AA
R2410	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2411	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R2412	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2413	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2414	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2415	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R2416	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2417	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R2418	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R2422	VRS-TW2ED750JY	J	75 1/4W Metal Oxide	AA
R2423	VRS-TW2ED750JY	J	75 1/4W Metal Oxide	AA
R2424	VRS-TW2ED750JY	J	75 1/4W Metal Oxide	AA
R2425	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2427	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2428	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2429	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2430	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R2431	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R2432	VRS-TW2ED750JY	J	75 1/4W Metal Oxide	AA
R2433	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2434	VRS-TW2ED750JY	J	75 1/4W Metal Oxide	AA
R2435	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2436	VRS-CY1JF274JY	J	270k 1/16W Metal Oxide	AA
R2437	VRS-TW2ED750JY	J	75 1/4W Metal Oxide	AA
R2439	VRS-CY1JF470JY	J	47 1/16W Metal Oxide	AA
R2440	VRS-CY1JF470JY	J	47 1/16W Metal Oxide	AA
R2441	VRS-CY1JF470JY	J	47 1/16W Metal Oxide	AA
R2442	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R2443	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R2444	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2445	VRS-TW2ED4R7JY	J	4.7 1/4W Metal Oxide	AB
R2446	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2447	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2448	VRS-TW2ED4R7JY	J	4.7 1/4W Metal Oxide	AB
R2449	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2450	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2451	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2453	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R2454	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R2457	VRS-TW2ED220JY	J	22 1/4W Metal Oxide	AB
R2458	VRS-TW2ED220JY	J	22 1/4W Metal Oxide	AB
R2459	VRS-CY1JF470JY	J	47 1/16W Metal Oxide	AA
R2460	VRS-CY1JF470JY	J	47 1/16W Metal Oxide	AA
R2461	VRS-CY1JF470JY	J	47 1/16W Metal Oxide	AA
R2462	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2463	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R2464	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R2465	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R2466	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2467	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2468	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2469	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2470	VRS-CY1JF471JY	J	470 1/16W Metal Oxide	AA
R2471	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R2472	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R2473	VRS-CY1JF182JY	J	1.8k 1/16W Metal Oxide	AA
R2474	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2475	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2476	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA

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FRONT UNIT (AVC System) (Continued)

Ref. No.	Part No.	★	Description	Code
R2477	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2478	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA

SWITCH

Ref. No.	Part No.	★	Description	Code
SW2401	QSW-K0069CEZZ	J	CLEAR	AB

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
FB2401	RBLN-0076TAZZY	J	Ferrite Bead	AC
FB2402	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB2403	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB2404	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB2405	RBLN-0062TAZZY	J	Ferrite Bead	AB
FB2406	RBLN-0062TAZZY	J	Ferrite Bead	AB
FB2408	RBLN-0062TAZZY	J	Ferrite Bead	AB
FB2410	RBLN-0062TAZZY	J	Ferrite Bead	AB
FB2411	RBLN-0062TAZZY	J	Ferrite Bead	AB
FB2412	RBLN-0062TAZZY	J	Ferrite Bead	AB
J2401	QSOCD0439CEZZ	J	INPUT4 Terminal(S-VIDEO)	AF
J2402	QJAKJ0080CEZZ	J	Headphone	AF
J2403	QJAKJ0080CEZZ	J	PC INPUT Terminal(AUDIO)	AF
J2404	QJAKGA021WJZZ	J	INPUT4 Terminal(A/V)	AF
P2401	QPLGN1280GEZZ	J	Plug, 12-pin	AC
P2402	QPLGN0437FJZZ	J	Plug, 26-pin	AD
SC2401	QSOCN0344FJZZ	J	PC INPUT Terminal (ANALOG RGB)	AM
LUG2401	QLUGHA001WJZZY	J	Lug	AD
LUG2402	QLUGHA001WJZZY	J	Lug	AD
LUG2403	QLUGHA001WJZZY	J	Lug	AD
	QCNW-B620WJPZ	J	Connecting Cord	AP
	QCNW-B833WJPZ	J	Connecting Cord	AW

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AUDIO I/F UNIT (AVC System)

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q6009	VS2SA1530AR-1Y	J	2SA1530AR	AB

DIODES

Ref. No.	Part No.	★	Description	Code
D6000	VHDMA157A//-1Y	J	Diode	AC
D6001	VHDMA157A//-1Y	J	Diode	AC
D6002	RH-EX1264CEZZY	J	Zener Diode, 10V	AB
D6003	RH-EX1264CEZZY	J	Zener Diode, 10V	AB
D6004	RH-EX1264CEZZY	J	Zener Diode, 10V	AB
D6005	VHDMA157A//-1Y	J	Diode	AC
D6006	VHDMA157A//-1Y	J	Diode	AC
D6007	VHDMA157A//-1Y	J	Diode	AC
D6008	RH-EX1283CEZZY	J	Zener Diode, 18V	AB
D6009	RH-EX1283CEZZY	J	Zener Diode, 18V	AB
D6010	RH-EX1283CEZZY	J	Zener Diode, 18V	AB
D6011	RH-EX1283CEZZY	J	Zener Diode, 18V	AB
D6013	VHDMA157A//-1Y	J	Diode	AC
D6014	VHDMA157A//-1Y	J	Diode	AC
D6017	RH-EX1264CEZZY	J	Zener Diode, 10V	AB
D6018	RH-EX1264CEZZY	J	Zener Diode, 10V	AB

CAPACITORS

Ref. No.	Part No.	★	Description	Code
C6002	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C6003	VCKYCY1AF105ZY	J	1 10V Ceramic	AC
C6004	VCKYCY1AF105ZY	J	1 10V Ceramic	AC
C6006	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C6007	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C6008	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C6009	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA

RESISTORS

Ref. No.	Part No.	★	Description	Code
R6000	VRS-CY1JF560JY	J	56 1/16W Metal Oxide	AA
R6001	VRS-CY1JF560JY	J	56 1/16W Metal Oxide	AA
R6002	VRS-CY1JF560JY	J	56 1/16W Metal Oxide	AA
R6003	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R6004	VRS-CY1JF560JY	J	56 1/16W Metal Oxide	AA
R6005	VRS-CY1JF560JY	J	56 1/16W Metal Oxide	AA
R6007	VRS-CY1JF560JY	J	56 1/16W Metal Oxide	AA
R6008	VRS-CY1JF560JY	J	56 1/16W Metal Oxide	AA
R6009	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R6010	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R6013	VRS-TQ2BD000JY	J	0 1/8W Metal Oxide	AA
R6014	VRS-TQ2BD000JY	J	0 1/8W Metal Oxide	AA
R6040	VRS-CY1JF682JY	J	6.8k 1/16W Metal Oxide	AA
R6042	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R6043	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
FB6000	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB6001	RBLN-0060TAZZY	J	Ferrite Bead	AB
P6000	QPLGN0064CEZZY	J	Plug, 14-pin	AE
P6001	QPLGNA061WJZZ	J	Plug, 7-pin	AC
SC6000	QSOCZ2015CEZZ	J	DISPLAY OUTPUT2 Terminal	AG
SC6001	QSOCDA016WJZZ	J	DISPLAY OUTPUT3 Terminal	AG
SC6002	QTANA0401GEZZ	J	EXTERNAL SPEAKERS Terminals	AG
LUG6001	QLUGHA002WJZZ	J	Lug	AB
LUG6002	QLUGHA002WJZZ	J	Lug	AB
	QCNW-B615WJPZ	J	Connecting Cord	AP
	QCNW-B616WJPZ	J	Connecting Cord	AM

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AV UNIT (AVC System)

TUNER

NOTE: THE PARTS HERE SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.

Ref. No.	Part No.	★	Description	Code
TU1101	VTUATMQH2-702	J	Tuner	BC
TU1102	VTUATMQH2-004	J	Tuner	BC

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC1101	VHiPQ05RD11-1	J	PQ05RD11	AG
IC1103	VHiPQ05RD11-1	J	PQ05RD11	AG
IC1104	VHiBA7655AF-1Y	J	BA7655AF	AG
IC1105	VHiM62332FP-1Y	J	M62332FP	AL
IC1301	VHiCXA2069Q-1	J	CXA2069Q	AR
IC1401	VHiMM1519XQ-1Q	J	MM1519XQ	AW
IC1601	RH-iXA837WJZZY	J	I.C.	BE
IC1602	RH-iXA837WJZZY	J	I.C.	BE
IC1603	VHiT7WT240U-1Y	J	TC7WT240FU	AF
IC1604	VHiT7WT240U-1Y	J	TC7WT240FU	AF
IC1605	VHiPST600CM-1Y	J	IC-PST600CMT	AE
IC1650	VHiSii907++-1Q	J	SII907BCQG52	BG
IC1651	VHi24LC2BiN1EY	J	24LC02B-I/SN	AK
IC1652	VHiAD8185++-1Y	J	AD8185ARU	AW
IC1653	VHiVHCT125A-1Y	J	TC74VHCT125AFT	AE
IC1654	VHiNC7WZ14P-1Y	J	NC7WZ14P6X	AD
IC1655	VHiLM2664++-1Y	J	LM2664M6X	AK
IC2501	RH-iX3370CEN1Q	J	MSP3440G-QA-B8	AY
IC2502	VHiBH3543F+-1Y	J	BH3543F-E2	AE
IC2503	VHiBD4742G+-1Y	J	BD4742G-TR	AD
IC2504	VHiBA4560F+-1Y	J	BA4560F-E2	AD
IC2505	VHiBA4560F+-1Y	J	BA4560F-E2	AD
IC2506	VHiNJM4560M-1Y	J	NJM4560M	AG
IC2507	VHiNJ2233BM-1Y	J	NJM2233BM	AE
IC2508	VHiNJ2233BM-1Y	J	NJM2233BM	AE
IC2513	RH-iXA167WJZZY	J	PQ025EZ01ZZ	AL
IC2514	VHiTC7SH08U-1Y	J	TC7SH08FU	AF
IC2515	VHiTCHCT32F-1Y	J	TC74HCT32AF	AD
IC2518	VHiNJU26150-1Q	J	NJU26150FR1	AV
IC2519	RH-iXA707WJN1Y	J	AT24C64AN-10SI	AL
IC2521	VHiNJU26106-1Q	J	NJU26106FR1	AT
IC5701	VHiBA09SFP+-1Y	J	BA09SFP	AG
IC5702	VHiBA08SFP+-1Y	J	BA08SFP-E2	AG
IC5703	VHiPQ05RD11-1	J	PQ05RD11	AG
IC5704	VHiPQ05RD11-1	J	PQ05RD11	AG
IC5706	VHiBA033FP/-1Y	J	BA033FP-E2	AG

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q1101	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q1102	VSDTC314TK/-1Y	J	DTC314TK	AC
Q1103	VSDTC314TK/-1Y	J	DTC314TK	AC
Q1104	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q1105	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q1106	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q1107	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1108	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q1109	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1110	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1111	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q1112	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1114	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q1115	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q1401	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q1402	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q1403	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q1405	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1406	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1407	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1409	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q1410	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q1650	VS2SK536///-1Y	J	2SK536	AE
Q1651	VS2SK536///-1Y	J	2SK536	AE
Q1652	VSDTC144EE/-1Y	J	DTC144EE	AA
Q2501	VSDTC114EE/-1Y	J	DTC114EE	AB
Q2502	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q2503	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q2506	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q2507	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q2508	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q2509	VSDTA144EE/-1Y	J	DTA144EE	AA
Q2510	VSDTC144EE/-1Y	J	DTC144EE	AA
Q2511	VSDTC314TK/-1Y	J	DTC314TK	AC
Q2512	VSDTC314TK/-1Y	J	DTC314TK	AC
Q2513	VSDTA144EE/-1Y	J	DTC144EE	AA
Q2518	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q2601	VS2SK536///-1Y	J	2SK536	AE
Q2602	VS2SK536///-1Y	J	2SK536	AE
Q5704	VSDTC114EE/-1Y	J	DTC114EE	AB
Q5705	VS2SC3928AR-1Y	J	2SC3928AR	AB

DIODES

Ref. No.	Part No.	★	Description	Code
D1101	RH-EX1250CEZZY	J	Zener Diode, 6.2V	AB
D1103	VHDHSU119//-1Y	J	Diode	AB
D1104	VHDHSU119//-1Y	J	Diode	AB
D1105	RH-EX0674GEZZY	J	Zener Diode, 33V	AB
D1106	RH-EX1250CEZZY	J	Zener Diode, 6.2V	AB
D1110	RH-EX0674GEZZY	J	Zener Diode, 33V	AB
D1301	RH-EX1264CEZZY	J	Zener Diode, 10V	AB
D1302	RH-EX1264CEZZY	J	Zener Diode, 10V	AB
D1303	RH-EX1264CEZZY	J	Zener Diode, 10	AB
D1304	RH-EX1264CEZZY	J	Zener Diode, 10V	AB
D1305	RH-EX1264CEZZY	J	Zener Diode, 10V	AB
D1306	RH-EX1264CEZZY	J	Zener Diode, 10V	AB
D1307	RH-EX1264CEZZY	J	Zener Diode, 10V	AB
D1308	RH-EX1264CEZZY	J	Zener Diode, 10V	AB
D1309	RH-EX1264CEZZY	J	Zener Diode, 10V	AB
D1310	RH-EX1264CEZZY	J	Zener Diode, 10V	AB
D1311	RH-EX1264CEZZY	J	Zener Diode, 10V	AB
D1312	RH-EX1264CEZZY	J	Zener Diode, 10V	AB
D1313	RH-EX1264CEZZY	J	Zener Diode, 10V	AB
D1401	VHDDAN217U+-1Y	J	Diode	AB
D1402	VHDDAN217U+-1Y	J	Diode	AB
D1403	VHDDAN217U+-1Y	J	Diode	AB
D1411	VHDDAN217U+-1Y	J	Diode	AB
D1412	VHDDAN217U+-1Y	J	Diode	AB
D1413	VHDDAN217U+-1Y	J	Diode	AB
D1650	VHDDAN202K/-1Y	J	Diode	AB
D1651	RH-EX1250CEZZY	J	Zener Diode, 6.2V	AB
D1652	RH-EX1250CEZZY	J	Zener Diode, 6.2V	AB
D1653	VHDHSU119//-1Y	J	Diode	AB
D1654	VHDMA3120WA-1Y	J	Diode	AD
D1655	VHDMA3120WA-1Y	J	Diode	AD
D1656	RH-EX1247CEZZY	J	Zener Diode, 5.6V	AB
D1657	RH-EX1247CEZZY	J	Zener Diode, 5.6V	AB
D1658	VHDMA3120WA-1Y	J	Diode	AD
D2501	VHDDAN222//-1Y	J	Diode	AA
D2502	VHDDAN222//-1Y	J	Diode	AA
D2503	VHDHSU119//-1Y	J	Diode	AB
D2504	VHDHSU119//-1Y	J	Diode	AB
D2506	VHDHSU119//-1Y	J	Diode	AB
D2507	VHDHSU119//-1Y	J	Diode	AB
D2601	VHDHSU119//-1Y	J	Diode	AB
D5701	VHDSFPB74//2EY	J	Diode	AD
D5704	VHDSFPB74//2EY	J	Diode	AD

PACKAGED CIRCUITS

Ref. No.	Part No.	★	Description	Code
X1601	RCRMCA016WJZZY	J	Ceramic Vibrator	AD
X2501	RCRSB0250GEZZ+	J	Crystal, 18.432MHz	AG
X2601	RCRSAA037WJZZ	J	Crystal, 24.576MHz	AE
X2602	RCRSAA037WJZZ	J	Crystal, 24.576MHz	AE

FILTERS AND COILS

Ref. No.	Part No.	★	Description	Code
FL1601	RFiLA0099CEZZ	J	Filter	AE
FL1602	RFiLA0099CEZZ	J	Filter	AE
L1101	VPD9M100KR86NY	J	Peaking 10µH	AC
L1102	VPD9M4R7MR53NY	J	Peaking 4.7µH	AB
L1104	VPD9M1R0MR20NY	J	Peaking 1µH	AB
L1105	VPD9M1R0MR20NY	J	Peaking 1µH	AB
L1106	VPD9M1R0MR20NY	J	Peaking 1µH	AB

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AV UNIT (AVC System) (Continued)

Ref. No.	Part No.	★	Description	Code
L1107	VPD9M1R0MR20NY	J	Peaking 1µH	AB
L1401	VPD9M100KR86NY	J	Peaking 10µH	AC
L2503	VPD9M101J100NY	J	Peaking 100µH	AB
L2504	VPD9M4R7MR53NY	J	Peaking 4.7µH	AB

CAPACITORS

Ref. No.	Part No.	★	Description	Code
C1101	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C1102	VCAAPF0JJ227MY	J	220 6.3V Electrolytic	AG
C1103	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C1104	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1105	VCAAPF0JJ107MY	J	100 6.3V Electrolytic	AF
C1106	VCAAPF1CJ396MY	J	39 16V Electrolytic	AF
C1111	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C1113	VCEASX1CN476MY	J	47 16V Electrolytic	AC
C1114	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1119	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C1120	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C1121	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1122	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C1123	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C1124	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C1125	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C1126	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C1127	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1128	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C1129	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C1130	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C1131	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C1132	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1133	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C1134	VCEASW1CN477MY	J	470 16V Electrolytic	AD
C1135	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C1136	RC-KZA083WJZZY	J	10 16V Ceramic	AC
C1137	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C1138	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C1139	RC-KZA083WJZZY	J	10 16V Ceramic	AC
C1140	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C1141	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C1142	RC-KZA083WJZZY	J	10 16V Ceramic	AC
C1143	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C1144	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C1145	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C1146	VCEASW1CN477MY	J	470 16V Electrolytic	AD
C1147	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C1148	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C1149	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C1150	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C1151	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C1152	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C1155	RC-KZA083WJZZY	J	10 16V Ceramic	AC
C1156	RC-KZA083WJZZY	J	10 16V Ceramic	AC
C1157	RC-KZA083WJZZY	J	10 16V Ceramic	AC
C1160	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C1161	VCAAPF0JJ227MY	J	220 6.3V Electrolytic	AG
C1162	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C1164	VCAAPF0JJ107MY	J	100 6.3V Electrolytic	AF
C1165	VCAAPF1CJ396MY	J	39 16V Electrolytic	AF
C1166	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1167	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1168	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C1169	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C1170	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C1171	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C1177	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1179	RC-KZA083WJZZY	J	10 16V Ceramic	AC
C1180	VCEASX1CN106MY	J	10 16V Electrolytic	AC
C1181	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1182	VCEASX1HN106MY	J	10 50V Electrolytic	AC
C1183	VCEASX1HN106MY	J	10 50V Electrolytic	AC
C1184	RC-KZA083WJZZY	J	10 16V Ceramic	AC
C1185	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C1186	VCKYCY1HB182KY	J	1800p 50V Ceramic	AA
C1187	VCKYCY1HB822KY	J	8200p 50V Ceramic	AB
C1188	VCKYCY1HB152KY	J	1500p 50V Ceramic	AA
C1189	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C1190	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1191	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1201	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1210	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C1226	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C1227	VCKYCY1HB182KY	J	1800p 50V Ceramic	AA
C1228	VCKYCY1HB152KY	J	1500p 50V Ceramic	AA
C1229	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C1230	VCKYCY1HB822KY	J	8200p 50V Ceramic	AB
C1301	VCKYCY1HB471KY	J	470p 50V Ceramic	AA
C1302	VCKYCY1HB471KY	J	470p 50V Ceramic	AA
C1303	VCKYCY1HB471KY	J	470p 50V Ceramic	AA
C1304	VCKYCY1HB471KY	J	470p 50V Ceramic	AA
C1305	VCKYCY1HB471KY	J	470p 50V Ceramic	AA
C1306	VCKYCY1HB471KY	J	470p 50V Ceramic	AA
C1307	VCKYCY1HB471KY	J	470p 50V Ceramic	AA
C1308	VCKYCY1HB471KY	J	470p 50V Ceramic	AA
C1309	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1310	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1311	VCEASX1CN226MY	J	22 16V Electrolytic	AC
C1312	RC-KZA083WJZZY	J	10 16V Ceramic	AC
C1313	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C1314	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C1316	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C1320	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C1321	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C1322	VCKYCY1HB471KY	J	470p 50V Ceramic	AA
C1323	VCKYCY1HB471KY	J	470p 50V Ceramic	AA
C1324	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C1325	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C1326	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C1327	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C1328	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1401	VCKYCY1CB104KY	J	0.1 16V Ceramic	AB
C1402	VCKYCY1CB104KY	J	0.1 16V Ceramic	AB
C1404	VCKYCY1CB104KY	J	0.1 16V Ceramic	AB
C1406	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1407	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1408	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1409	VCEASW1CN107MY	J	100 16V Electrolytic	AC
C1410	VCKYCY1CB104KY	J	0.1 16V Ceramic	AB
C1411	VCKYCY1CB104KY	J	0.1 16V Ceramic	AB
C1412	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C1413	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C1414	VCAAPF1CJ396MY	J	39 16V Electrolytic	AF
C1416	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1417	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1419	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1422	VCEASW1CN107MY	J	100 16V Electrolytic	AC
C1424	RC-KZA083WJZZY	J	10 16V Ceramic	AC
C1425	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C1426	RC-KZA083WJZZY	J	10 16V Ceramic	AC
C1427	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C1428	RC-KZA083WJZZY	J	10 16V Ceramic	AC
C1429	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C1434	VCKYCY1CB104KY	J	0.1 16V Ceramic	AB
C1435	VCKYCY1CB104KY	J	0.1 16V Ceramic	AB
C1436	VCKYCY1CB104KY	J	0.1 16V Ceramic	AB
C1451	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1452	VCEASX1CN226MY	J	22 16V Electrolytic	AC
C1601	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1602	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C1603	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1604	VCEASW1CN107MY	J	100 16V Electrolytic	AC
C1605	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C1607	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C1608	VCCCCY1HH201JY	J	200p 50V Ceramic	AA
C1609	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1612	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1613	VCCCCY1HH201JY	J	200p 50V Ceramic	AA
C1615	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA

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AV UNIT (AVC System) (Continued)

Ref. No.	Part No.	★	Description	Code
C1616	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C1617	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C1619	VCEASW1CN107MY	J	100 16V Electrolytic	AC
C1620	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1621	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1629	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1640	VCCCCY1HH151JY	J	150p 50V Ceramic	AA
C1641	VCCCCY1HH151JY	J	150p 50V Ceramic	AA
C1642	VCCCCY1HH151JY	J	150p 50V Ceramic	AA
C1643	VCCCCY1HH151JY	J	150p 50V Ceramic	AA
C1644	VCCCCY1HH151JY	J	150p 50V Ceramic	AA
C1645	VCCCCY1HH151JY	J	150p 50V Ceramic	AA
C1650	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C1651	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C1652	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C1653	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C1654	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C1655	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C1656	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C1657	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C1658	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C1659	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C1660	RC-KZA083WJZZY	J	10 16V Ceramic	AC
C1661	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1662	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1663	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1664	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1665	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1666	RC-KZA083WJZZY	J	10 16V Ceramic	AC
C1667	RC-KZA083WJZZY	J	10 16V Ceramic	AC
C1668	RC-KZA083WJZZY	J	10 16V Ceramic	AC
C1669	RC-KZA083WJZZY	J	10 16V Ceramic	AC
C1670	RC-KZA083WJZZY	J	10 16V Ceramic	AC
C1671	RC-KZA083WJZZY	J	10 16V Ceramic	AC
C1672	RC-KZA083WJZZY	J	10 16V Ceramic	AC
C1673	RC-KZA083WJZZY	J	10 16V Ceramic	AC
C1674	RC-KZA083WJZZY	J	10 16V Ceramic	AC
C1675	RC-KZA083WJZZY	J	10 16V Ceramic	AC
C1676	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C1677	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C1678	VCEASX1CN476MY	J	47 16V Electrolytic	AC
C1679	VCEASX1CN476MY	J	47 16V Electrolytic	AC
C1680	VCCCCY1HH220JY	J	22p 50V Ceramic	AA
C1681	VCCCCY1HH220JY	J	22p 50V Ceramic	AA
C1682	VCCCCY1HH220JY	J	22p 50V Ceramic	AA
C1683	RC-KZA083WJZZY	J	10 16V Ceramic	AC
C1684	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C1685	VCEASX1CN476MY	J	47 16V Electrolytic	AC
C1686	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1687	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1688	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C1689	RC-KZA107WJZZY	J	4.7 16V Ceramic	AC
C1690	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C1691	RC-KZA107WJZZY	J	4.7 16V Ceramic	AC
C1692	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C1693	RC-KZA107WJZZY	J	4.7 16V Ceramic	AC
C1694	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C1695	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1696	VCEASX1CN106MY	J	10 16V Electrolytic	AC
C1697	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1698	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C1699	VCEASX1CN106MY	J	10 16V Electrolytic	AC
C2500	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2501	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2502	VCEASW1CN107MY	J	100 16V Electrolytic	AC
C2503	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C2504	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C2505	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C2506	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C2507	VCEASX1CN226MY	J	22 16V Electrolytic	AC
C2508	VCEASX1CN106MY	J	10 16V Electrolytic	AC
C2509	VCEASX1CN476MY	J	47 16V Electrolytic	AC
C2510	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C2511	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C2512	VCKYCY1HB682KY	J	6800p 50V Ceramic	AA
C2513	VCKYCY1HB682KY	J	6800p 50V Ceramic	AA
C2515	RC-KZA083WJZZY	J	10 16V Ceramic	AC
C2516	RC-KZA083WJZZY	J	10 16V Ceramic	AC
C2517	RC-KZA083WJZZY	J	10 16V Ceramic	AC
C2518	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2519	VCEASW1CN107MY	J	100 16V Electrolytic	AC
C2520	VCEASW1CN107MY	J	100 16V Electrolytic	AC
C2521	VCEASX1HN335MY	J	3.3 50V Electrolytic	AB
C2522	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2523	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2524	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2525	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C2526	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C2527	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2528	VCEASX1CN106MY	J	10 16V Electrolytic	AC
C2529	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C2530	VCEASW1CN107MY	J	100 16V Electrolytic	AC
C2531	VCCCCY1HH560JY	J	56p 50V Ceramic	AB
C2532	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C2533	VCCCCY1HH560JY	J	56p 50V Ceramic	AB
C2534	VCCCCY1HH5R0CY	J	5p 50V Ceramic	AA
C2535	VCCCCY1HH5R0CY	J	5p 50V Ceramic	AA
C2536	VCEASW1CN477MY	J	470 16V Electrolytic	AD
C2537	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C2538	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2539	RC-KZA083WJZZY	J	10 16V Ceramic	AC
C2540	VCEASX1CN476MY	J	47 16V Electrolytic	AC
C2541	RC-KZA083WJZZY	J	10 16V Ceramic	AC
C2542	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C2543	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C2544	RC-KZA083WJZZY	J	10 16V Ceramic	AC
C2545	RC-KZA083WJZZY	J	10 16V Ceramic	AC
C2549	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2550	VCEASW1CN107MY	J	100 16V Electrolytic	AC
C2551	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C2552	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C2553	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C2554	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C2555	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2556	VCKYCY1HB152KY	J	1500p 50V Ceramic	AA
C2557	VCCCCY1HH561JY	J	560p 50V Ceramic	AB
C2558	VCCCCY1HH561JY	J	560p 50V Ceramic	AB
C2559	VCKYCY1HB152KY	J	1500p 50V Ceramic	AA
C2560	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2561	RC-KZA083WJZZY	J	10 16V Ceramic	AC
C2562	RC-KZA083WJZZY	J	10 16V Ceramic	AC
C2563	VCEASX1HN335MY	J	3.3 50V Electrolytic	AB
C2564	VCEASX1HN335MY	J	3.3 50V Electrolytic	AB
C2565	VCKYCY1HB152KY	J	1500p 50V Ceramic	AA
C2566	VCCCCY1HH561JY	J	560p 50V Ceramic	AB
C2567	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C2568	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C2569	VCCCCY1HH561JY	J	560p 50V Ceramic	AB
C2570	VCKYCY1HB152KY	J	1500p 50V Ceramic	AA
C2571	RC-KZA083WJZZY	J	10 16V Ceramic	AC
C2572	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2573	RC-KZA083WJZZY	J	10 16V Ceramic	AC
C2574	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C2575	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C2576	VCEASX1CN106MY	J	10 16V Electrolytic	AC
C2577	VCEASW1CN337MY	J	330 16V Electrolytic	AD
C2578	VCEASW1CN337MY	J	330 16V Electrolytic	AD
C2580	VCKYCY1HB152KY	J	1500p 50V Ceramic	AA
C2581	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2582	RC-KZA083WJZZY	J	10 16V Ceramic	AC
C2583	RC-KZA083WJZZY	J	10 16V Ceramic	AC
C2584	VCEASX1HN335MY	J	3.3 50V Electrolytic	AB
C2585	VCEASX1HN335MY	J	3.3 50V Electrolytic	AB
C2586	VCCCCY1HH220JY	J	22p 50V Ceramic	AA
C2587	VCKYCY1HB152KY	J	1500p 50V Ceramic	AA
C2588	VCKYTV1CB105KY	J	1 16V Ceramic	AC

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AV UNIT (AVC System) (Continued)

Ref. No.	Part No.	★	Description	Code
C2589	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C2590	VCCCCY1HH561JY	J	560p 50V Ceramic	AB
C2591	VCCCCY1HH561JY	J	560p 50V Ceramic	AB
C2592	VCEASW1CN107MY	J	100 16V Electrolytic	AC
C2593	VCEASW1CN107MY	J	100 16V Electrolytic	AC
C2597	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2598	VCEASW1CN107MY	J	100 16V Electrolytic	AC
C2603	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2604	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2605	VCEASW1CN476MY	J	47 16V Electrolytic	AC
C2606	VCCCCY1HH220JY	J	22p 50V Ceramic	AA
C2607	VCCCCY1HH220JY	J	22p 50V Ceramic	AA
C2608	VCCCCY1HH220JY	J	22p 50V Ceramic	AA
C2609	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2616	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2618	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2619	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2620	VCCCCY1HH100DY	J	10p 50V Ceramic	AA
C2621	VCCCCY1HH120JY	J	12p 50V Ceramic	AA
C2622	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2623	VCEASW1CN476MY	J	47 16V Electrolytic	AC
C2630	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2631	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2633	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2634	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2635	VCCCCY1HH100DY	J	10p 50V Ceramic	AA
C2636	VCCCCY1HH120JY	J	12p 50V Ceramic	AA
C2640	VCCCCY1HH220JY	J	22p 50V Ceramic	AA
C2641	VCCCCY1HH220JY	J	22p 50V Ceramic	AA
C2642	VCCCCY1HH220JY	J	22p 50V Ceramic	AA
C2643	VCCCCY1HH220JY	J	22p 50V Ceramic	AA
C2644	VCCCCY1HH220JY	J	22p 50V Ceramic	AA
C2645	VCCCCY1HH220JY	J	22p 50V Ceramic	AA
C2646	VCCCCY1HH220JY	J	22p 50V Ceramic	AA
C2647	VCCCCY1HH220JY	J	22p 50V Ceramic	AA
C2648	VCCCCY1HH220JY	J	22p 50V Ceramic	AA
C2700	VCCCCY1HH470JY	J	47p 50V Ceramic	AA
C2701	VCCCCY1HH470JY	J	47p 50V Ceramic	AA
C2702	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2703	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2704	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C2705	VCEASX1CN226MY	J	22 16V Electrolytic	AC
C2706	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2707	VCEASX1CN226MY	J	22 16V Electrolytic	AC
C2708	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2709	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2710	VCEASX1CN226MY	J	22 16V Electrolytic	AC
C2711	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2712	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2713	VCEASX1CN226MY	J	22 16V Electrolytic	AC
C2714	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C2717	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C2718	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C2719	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C5701	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C5702	VCEASX1CN226MY	J	22 16V Electrolytic	AC
C5703	VCEASW1CN107MY	J	100 16V Electrolytic	AC
C5704	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C5705	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C5706	VCEASX1CN226MY	J	22 16V Electrolytic	AC
C5708	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C5709	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C5710	VCEASX1CN226MY	J	22 16V Electrolytic	AC
C5711	VCEASW1CN107MY	J	100 16V Electrolytic	AC
C5712	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C5713	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C5714	VCEASX1CN226MY	J	22 16V Electrolytic	AC
C5715	VCEASW1CN107MY	J	100 16V Electrolytic	AC
C5716	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C5721	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C5722	VCEASX1CN226MY	J	22 16V Electrolytic	AC
C5723	VCEASW1CN107MY	J	100 16V Electrolytic	AC
C5725	VCEASW1CN107MY	J	100 16V Electrolytic	AC
C5726	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C5727	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA

RESISTORS

Ref. No.	Part No.	★	Description	Code
R1101	VRS-CY1JF332JY	J	3.3k 1/16W Metal Oxide	AA
R1104	VRS-CA1JF220JY	J	22 1/16W Metal Oxide	AA
R1106	VRS-CY1JF331JY	J	330 1/16W Metal Oxide	AA
R1107	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R1108	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1110	VRS-CY1JF123JY	J	12k 1/16W Metal Oxide	AA
R1111	VRS-CY1JF392JY	J	3.9k 1/16W Metal Oxide	AA
R1112	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1113	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R1114	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R1115	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1116	VRS-CY1JF122JY	J	1.2k 1/16W Metal Oxide	AA
R1117	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R1118	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R1121	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1124	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R1125	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R1126	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R1127	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R1128	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R1129	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R1130	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R1135	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1137	VRS-TQ2BD750JY	J	75 1/8W Metal Oxide	AA
R1138	VRS-TQ2BD750JY	J	75 1/8W Metal Oxide	AA
R1139	VRS-TQ2BD750JY	J	75 1/8W Metal Oxide	AA
R1140	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1141	VRS-CY1JF274JY	J	270k 1/16W Metal Oxide	AA
R1142	VRS-TQ2BD750JY	J	75 1/8W Metal Oxide	AA
R1143	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1144	VRS-CY1JF274JY	J	270k 1/16W Metal Oxide	AA
R1145	VRS-TQ2BD750JY	J	75 1/8W Metal Oxide	AA
R1146	VRS-TQ2BD750JY	J	75 1/8W Metal Oxide	AA
R1147	VRS-TW2ED750JY	J	75 1/4W Metal Oxide	AA
R1148	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R1149	VRS-TW2ED750JY	J	75 1/4W Metal Oxide	AA
R1150	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R1151	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R1152	VRS-TQ2BD750JY	J	75 1/8W Metal Oxide	AA
R1153	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R1154	VRS-TQ2BD750JY	J	75 1/8W Metal Oxide	AA
R1155	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R1156	VRS-TQ2BD750JY	J	75 1/8W Metal Oxide	AA
R1157	VRS-TQ2BD750JY	J	75 1/8W Metal Oxide	AA
R1158	VRS-CY1JF221JY	J	220 1/16W Metal Oxide	AA
R1159	VRS-CY1JF221JY	J	220 1/16W Metal Oxide	AA
R1160	VRS-TQ2BD750JY	J	75 1/8W Metal Oxide	AA
R1161	VRS-CY1JF221JY	J	220 1/16W Metal Oxide	AA
R1162	VRS-CY1JF221JY	J	220 1/16W Metal Oxide	AA
R1163	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R1164	VRS-TQ2BD750JY	J	75 1/8W Metal Oxide	AA
R1165	VRS-TW2ED750JY	J	75 1/4W Metal Oxide	AA
R1166	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R1167	VRS-CY1JF221JY	J	220 1/16W Metal Oxide	AA
R1168	VRS-CY1JF271JY	J	270 1/16W Metal Oxide	AA
R1169	VRS-CY1JF564JY	J	560k 1/16W Metal Oxide	AA
R1170	VRS-CY1JF221JY	J	220 1/16W Metal Oxide	AA
R1171	VRS-CY1JF271JY	J	270 1/16W Metal Oxide	AA
R1172	VRS-CY1JF564JY	J	560k 1/16W Metal Oxide	AA
R1174	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1176	VRS-CY1JF564JY	J	560k 1/16W Metal Oxide	AA
R1177	VRS-CY1JF564JY	J	560k 1/16W Metal Oxide	AA
R1187	VRS-CY1JF561JY	J	560 1/16W Metal Oxide	AA
R1188	VRS-CY1JF561JY	J	560 1/16W Metal Oxide	AA
R1189	VRS-TQ2BD750JY	J	75 1/8W Metal Oxide	AA
R1190	VRS-TQ2BD750JY	J	75 1/8W Metal Oxide	AA
R1191	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R1192	VRS-TQ2BD750JY	J	75 1/8W Metal Oxide	AA
R1193	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA

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AV UNIT (AVC System) (Continued)

Ref. No.	Part No.	★	Description	Code
R1196	VRS-CA1JF220JY	J	22 1/16W Metal Oxide	AA
R1198	VRS-TW2ED332JY	J	3.3k 1/4W Metal Oxide	AB
R1199	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R1200	VRS-CY1JF123JY	J	12k 1/16W Metal Oxide	AA
R1201	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1202	VRS-CY1JF683JY	J	68k 1/16W Metal Oxide	AA
R1203	VRS-CY1JF392JY	J	3.9k 1/16W Metal Oxide	AA
R1205	VRS-CA1JF220JY	J	22 1/16W Metal Oxide	AA
R1206	VRS-CY1JF332JY	J	3.3k 1/16W Metal Oxide	AA
R1207	VRS-CY1JF822JY	J	8.2k 1/16W Metal Oxide	AA
R1208	VRS-CY1JF333JY	J	33k 1/16W Metal Oxide	AA
R1209	VRS-TQ2BD561JY	J	560 1/8W Metal Oxide	AA
R1211	VRS-CY1JF392JY	J	3.9k 1/16W Metal Oxide	AA
R1212	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R1213	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1214	VRS-CY1JF122JY	J	1.2k 1/16W Metal Oxide	AA
R1215	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R1216	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R1219	VRS-TQ2BD561JY	J	560 1/8W Metal Oxide	AA
R1221	VRS-CY1JF332JY	J	3.3k 1/16W Metal Oxide	AA
R1222	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1224	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1225	VRS-TW2ED332JY	J	3.3k 1/4W Metal Oxide	AB
R1226	VRS-CY1JF333JY	J	33k 1/16W Metal Oxide	AA
R1227	VRS-CY1JF822JY	J	8.2k 1/16W Metal Oxide	AA
R1229	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R1230	VRS-CY1JF332JY	J	3.3k 1/16W Metal Oxide	AA
R1231	VRS-CY1JF683JY	J	68k 1/16W Metal Oxide	AA
R1233	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R1234	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R1235	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1236	VRS-CY1JF123JY	J	12k 1/16W Metal Oxide	AA
R1237	VRS-CY1JF331JY	J	330 1/16W Metal Oxide	AA
R1238	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1239	VRS-CY1JF274JY	J	270k 1/16W Metal Oxide	AA
R1240	VRS-CY1JF123JY	J	12k 1/16W Metal Oxide	AA
R1241	VRS-CY1JF392JY	J	3.9k 1/16W Metal Oxide	AA
R1301	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1302	VRS-CY1JF682JY	J	6.8k 1/16W Metal Oxide	AA
R1303	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1304	VRS-CY1JF682JY	J	6.8k 1/16W Metal Oxide	AA
R1305	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1306	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1307	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1308	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1309	VRS-CY1JF682JY	J	6.8k 1/16W Metal Oxide	AA
R1310	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1311	VRS-CY1JF682JY	J	6.8k 1/16W Metal Oxide	AA
R1312	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1313	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1314	VRS-CY1JF682JY	J	6.8k 1/16W Metal Oxide	AA
R1315	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1316	VRS-CY1JF682JY	J	6.8k 1/16W Metal Oxide	AA
R1317	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1318	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1319	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1320	VRS-CY1JF682JY	J	6.8k 1/16W Metal Oxide	AA
R1321	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1322	VRS-CY1JF682JY	J	6.8k 1/16W Metal Oxide	AA
R1323	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1324	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R1325	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R1326	VRS-CY1JF682JY	J	6.8k 1/16W Metal Oxide	AA
R1327	VRS-CY1JF682JY	J	6.8k 1/16W Metal Oxide	AA
R1328	VRS-TW2ED221JY	J	220 1/4W Metal Oxide	AB
R1329	VRS-TW2ED221JY	J	220 1/4W Metal Oxide	AB
R1330	VRS-TW2ED221JY	J	220 1/4W Metal Oxide	AB
R1331	VRS-CA1JF220JY	J	22 1/16W Metal Oxide	AA
R1334	VRS-CY1JF561JY	J	560 1/16W Metal Oxide	AA
R1335	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1336	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1338	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1340	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1341	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1342	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1343	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1348	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1349	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1350	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1354	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R1405	VRS-CY1JF220JY	J	22 1/16W Metal Oxide	AA
R1406	VRS-CY1JF220JY	J	22 1/16W Metal Oxide	AA
R1407	VRS-CY1JF220JY	J	22 1/16W Metal Oxide	AA
R1411	VRS-CY1JF220JY	J	22 1/16W Metal Oxide	AA
R1412	VRS-CY1JF220JY	J	22 1/16W Metal Oxide	AA
R1413	VRS-CY1JF220JY	J	22 1/16W Metal Oxide	AA
R1418	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1421	VRS-CA1JF220JY	J	22 1/16W Metal Oxide	AA
R1422	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1423	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1424	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1425	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1429	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1430	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1431	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1432	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1433	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1437	VRS-CY1JF220JY	J	22 1/16W Metal Oxide	AA
R1438	VRS-CY1JF220JY	J	22 1/16W Metal Oxide	AA
R1439	VRS-CY1JF220JY	J	22 1/16W Metal Oxide	AA
R1443	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1444	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1445	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1446	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1457	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R1458	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1459	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R1460	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1461	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R1462	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1463	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1466	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R1467	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1468	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1469	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R1470	VRS-TW2ED750JY	J	75 1/4W Metal Oxide	AA
R1471	VRS-TW2ED750JY	J	75 1/4W Metal Oxide	AA
R1472	VRS-TW2ED750JY	J	75 1/4W Metal Oxide	AA
R1603	VRS-CY1JF105JY	J	1M 1/16W Metal Oxide	AA
R1604	VRS-CY1JF391JY	J	390 1/16W Metal Oxide	AA
R1605	VRS-CA1JF101JY	J	100 1/16W Metal Oxide	AA
R1606	VRS-CY1JF391JY	J	390 1/16W Metal Oxide	AA
R1608	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R1609	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R1610	VRS-CA1JF220JY	J	22 1/16W Metal Oxide	AA
R1611	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1614	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1615	VRS-CY1JF105JY	J	1M 1/16W Metal Oxide	AA
R1616	VRS-CB1JF223JY	J	22k 1/16W Metal Oxide	AA
R1617	VRS-CA1JF220JY	J	22 1/16W Metal Oxide	AA
R1619	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1620	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1621	VRS-CY1JF331JY	J	330 1/16W Metal Oxide	AA
R1622	VRS-CY1JF331JY	J	330 1/16W Metal Oxide	AA
R1625	VRS-CA1JF101JY	J	100 1/16W Metal Oxide	AA
R1626	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1627	VRS-CB1JF103JY	J	10k 1/16W Metal Oxide	AA
R1628	VRS-CY1JF331JY	J	330 1/16W Metal Oxide	AA
R1629	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R1630	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1631	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R1632	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R1633	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R1634	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1635	VRS-CY1JF105JY	J	1M 1/16W Metal Oxide	AA
R1636	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA

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AV UNIT (AVC System) (Continued)

Ref. No.	Part No.	★	Description	Code
R1637	VRS-CY1JF182JY	J	1.8k 1/16W Metal Oxide	AA
R1638	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1639	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1640	VRS-CY1JF182JY	J	1.8k 1/16W Metal Oxide	AA
R1641	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1642	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1643	VRS-CY1JF182JY	J	1.8k 1/16W Metal Oxide	AA
R1644	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1645	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1647	VRS-CA1JF223JY	J	22k 1/16W Metal Oxide	AA
R1648	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R1649	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R1650	VRS-CY1JF391FY	J	390 1/16W Metal Oxide	AA
R1651	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1652	VRS-CY1JF470JY	J	47 1/16W Metal Oxide	AA
R1653	VRS-CY1JF470JY	J	47 1/16W Metal Oxide	AA
R1654	VRS-CY1JF181FY	J	180 1/16W Metal Oxide	AA
R1655	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1656	VRS-TQ2BD750JY	J	75 1/8W Metal Oxide	AA
R1658	VRS-TQ2BD750JY	J	75 1/8W Metal Oxide	AA
R1660	VRS-TQ2BD750JY	J	75 1/8W Metal Oxide	AA
R1661	VRS-CA1JF220JY	J	22 1/16W Metal Oxide	AA
R1663	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1664	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1667	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R1668	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R1669	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R1670	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1671	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R1672	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1673	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1674	VRS-TQ2BD750JY	J	75 1/8W Metal Oxide	AA
R1675	VRS-TQ2BD750JY	J	75 1/8W Metal Oxide	AA
R1676	VRS-TQ2BD750JY	J	75 1/8W Metal Oxide	AA
R1677	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1678	VRS-CY1JF330JY	J	33 1/16W Metal Oxide	AA
R1679	VRS-CY1JF330JY	J	33 1/16W Metal Oxide	AA
R1680	VRS-TW2ED750JY	J	75 1/4W Metal Oxide	AA
R1681	VRS-TW2ED750JY	J	75 1/4W Metal Oxide	AA
R1682	VRS-TW2ED750JY	J	75 1/4W Metal Oxide	AA
R1683	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1684	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1685	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1686	VRS-CY1JF203JY	J	20k 1/16W Metal Oxide	AA
R1687	VRS-CY1JF2R7JY	J	2.7 1/16W Metal Oxide	AA
R1688	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R1689	VRS-TW2ED750JY	J	75 1/4W Metal Oxide	AA
R1691	VRS-TW2ED750JY	J	75 1/4W Metal Oxide	AA
R1693	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1694	VRS-TW2ED750JY	J	75 1/4W Metal Oxide	AA
R1695	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1696	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R1697	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1699	VRS-CY1JF330JY	J	33 1/16W Metal Oxide	AA
R2501	VRS-CA1JF220JY	J	22 1/16W Metal Oxide	AA
R2502	VRS-CB1JF101JY	J	100 1/16W Metal Oxide	AA
R2504	VRS-CY1JF392JY	J	3.9k 1/16W Metal Oxide	AA
R2505	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2506	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2507	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2510	VRS-CY1JF332JY	J	3.3k 1/16W Metal Oxide	AA
R2511	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R2512	VRS-CA1JF102JY	J	1k 1/16W Metal Oxide	AA
R2513	VRS-CA1JF102JY	J	1k 1/16W Metal Oxide	AA
R2515	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2516	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2517	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2518	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2520	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2522	VRS-CA1JF101JY	J	100 1/16W Metal Oxide	AA
R2523	VRS-CY1JF105JY	J	1M 1/16W Metal Oxide	AA
R2524	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R2525	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R2526	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R2527	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R2530	VRS-CY1JF561JY	J	560 1/16W Metal Oxide	AA
R2531	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2532	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2533	VRS-CY1JF561JY	J	560 1/16W Metal Oxide	AA
R2534	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2535	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R2536	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2537	VRS-CY1JF822FY	J	8.2k 1/16W Metal Oxide	AA
R2539	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2542	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2547	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2552	VRS-CA1JF102JY	J	1k 1/16W Metal Oxide	AA
R2553	VRS-CY1JF564JY	J	560k 1/16W Metal Oxide	AA
R2554	VRS-CY1JF564JY	J	560k 1/16W Metal Oxide	AA
R2555	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2556	VRS-CY1JF822FY	J	8.2k 1/16W Metal Oxide	AA
R2557	VRS-CY1JF822FY	J	8.2k 1/16W Metal Oxide	AA
R2558	VRS-CY1JF822FY	J	8.2k 1/16W Metal Oxide	AA
R2559	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R2560	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R2561	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R2562	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R2563	VRS-CY1JF822FY	J	8.2k 1/16W Metal Oxide	AA
R2564	VRS-CY1JF822FY	J	8.2k 1/16W Metal Oxide	AA
R2565	VRS-CY1JF822FY	J	8.2k 1/16W Metal Oxide	AA
R2566	VRS-CY1JF822FY	J	8.2k 1/16W Metal Oxide	AA
R2567	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R2568	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R2569	VRS-CA1JF223JY	J	22k 1/16W Metal Oxide	AA
R2571	VRS-CY1JF822FY	J	8.2k 1/16W Metal Oxide	AA
R2572	VRS-CA1JF223JY	J	22k 1/16W Metal Oxide	AA
R2573	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R2574	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2575	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2576	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R2577	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R2578	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R2579	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R2580	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R2581	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2582	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2584	VRS-CB1JF101JY	J	100 1/16W Metal Oxide	AA
R2585	VRS-CY1JF822FY	J	8.2k 1/16W Metal Oxide	AA
R2586	VRS-CY1JF822FY	J	8.2k 1/16W Metal Oxide	AA
R2587	VRS-CY1JF822FY	J	8.2k 1/16W Metal Oxide	AA
R2590	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R2591	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R2592	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R2593	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R2602	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R2603	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R2609	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R2610	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2612	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2614	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2617	VRS-CY1JF220JY	J	22 1/16W Metal Oxide	AA
R2618	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R2619	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R2620	VRS-CA1JF220JY	J	22 1/16W Metal Oxide	AA
R2622	VRS-CA1JF220JY	J	22 1/16W Metal Oxide	AA
R2623	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R2629	VRS-CA1JF220JY	J	22 1/16W Metal Oxide	AA
R2632	VRS-CA1JF220JY	J	22 1/16W Metal Oxide	AA
R2633	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2635	VRS-CA1JF103JY	J	10k 1/16W Metal Oxide	AA
R2640	VRS-CY1JF105JY	J	1M 1/16W Metal Oxide	AA
R2642	VRS-CY1JF241JY	J	240 1/16W Metal Oxide	AA
R2644	VRS-CA1JF101JY	J	100 1/16W Metal Oxide	AA
R2647	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R2649	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2650	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA

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AV UNIT (AVC System) (Continued)

Ref. No.	Part No.	★	Description	Code
R2651	VRS-CY1JF220JY	J	22 1/16W Metal Oxide	AA
R2653	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2657	VRS-CA1JF220JY	J	22 1/16W Metal Oxide	AA
R2658	VRS-CA1JF103JY	J	10k 1/16W Metal Oxide	AA
R2663	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2665	VRS-CY1JF105JY	J	1M 1/16W Metal Oxide	AA
R2666	VRS-CY1JF241JY	J	240 1/16W Metal Oxide	AA
R2700	VRS-CY1JF330JY	J	33 1/16W Metal Oxide	AA
R2711	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2712	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2713	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2714	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2715	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R5701	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R5704	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R5706	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R5720	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R5726	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R5734	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
FB1401	RBLN-0061TAZZY	J	Ferrite Bead	AD
FB1402	RBLN-0061TAZZY	J	Ferrite Bead	AD
FB1601	RBLN-0064TAZZY	J	Ferrite Bead	AB
FB1602	RBLN-0064TAZZY	J	Ferrite Bead	AB
FB1650	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB1651	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB1652	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB1653	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB1654	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB1655	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB1656	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB1657	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB1658	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB1659	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB1660	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB1661	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB2508	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB2509	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB2601	RBLN-0061TAZZY	J	Ferrite Bead	AD
FB5701	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB5702	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB5704	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB5705	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB5708	RBLN-0210TAZZY	J	Ferrite Bead	AB
J1103	QTANJ0974CEZZ	J	AV Terminal	AL
J1104	QTANJ0974CEZZ	J	AV Terminal	AL
P1101	QTiPM0083CEZZ	J	Tip	AB
P1301	QPLGN0435FJZZ	J	Plug, 26-pin	AD
P2502	QPLGNA046WJZZ	J	Plug, 7-pin	AC
P2504	QPLGN0572FJZZY	J	Plug, 10-pin	AE
P2505	QCNCMA064WJZZ	J	Connector	AD
P5701	QPLGN0546FJZZY	J	Plug, 9-pin	AE
P5702	QPLGN0378GEZZ	J	Plug, 3-pin	AB
SC1101	QSOCD0834CEZZ	J	Socket, S-VIDEO	AH
SC1102	QSOCD0834CEZZ	J	Socket, S-VIDEO	AH
SC1402	QSOCN0493FJZZY	J	Socket, 45-pin	AG
SC1650	QSOCZA065WJZZ	J	DVI DIGITAL INPUT Terminal	AH
LUG1101	QLUGHA006WJZZY	J	Lug	AC
LUG1102	QLUGHA006WJZZY	J	Lug	AC
LUG1103	QLUGHA006WJZZY	J	Lug	AC
LUG1104	QLUGHA006WJZZY	J	Lug	AC
LUG1105	QLUGHA006WJZZY	J	Lug	AC
LUG1106	QLUGHA006WJZZY	J	Lug	AC
TP1101	QLUGP0110TAFWY	J	Lug	AB
TP1102	QLUGP0110TAFWY	J	Lug	AB
	PSLDMA148WJFM	J	Shield	AD
	QCNW-B610WJPZ	J	Connecting Cord	AT
	QCNW-B611WJPZ	J	Connecting Cord	AQ
	QCNW-B612WJQZ	J	Connecting Cord	AK

CPCi-A005WJ75
PC I/F UNIT (AVC System)

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC10001	RH-iX3270CEZZ	J	CPU(SH3)	BH
IC10002	9DK001-12085	J	R3112N291A	AL
IC10003	9DK001-11045	J	AT24C128N-10SJ-2.7	AS
IC10004	9DK001-15079	J	CXA3506R	BN
IC10007	9DK001-15147	J	PQ050DZ01Z	AG
IC10008	9DK001-15112	J	PQ033EZ01	AM
IC10019	9DK001-15139	J	R3112N151A	AK
IC10025	RH-iXA091WJZZQ	J	CVIC2	BX
IC10027	RH-iXA431WJZZQ	J	FLASH Memory	BA
IC10028	9DK001-11027	J	MSM51V18165F-60TS-K	AX
IC10053	9DK001-12079	J	74LVX86MTC	AG
IC10310	9DK001-15149	J	TLV5734PAG	BB
IC10316	9DK001-15053	J	TL431CPS	AL
IC10319	9DK001-11043	J	HY57V643220CT-7	AY
IC10320	9DK001-11043	J	HY57V643220CT-7	AY
IC10321	9DK001-11043	J	HY57V643220CT-7	AY
IC10322	9DK001-11043	J	HY57V643220CT-7	AY
IC10327	9DK001-15084	J	NJM4560M	AK
IC10328	9DK001-15054	J	TLC2933IPW	AX
IC10400	9DK001-12079	J	74LVX86MTC	AG
IC10402	9DK001-12105	J	74LVX125MTC	AK
IC10404	9DK001-12105	J	74LVX125MTC	AK
IC10405	9DK001-15107	J	uPD4721G	AS
IC10408	9DK001-12085	J	HD74HCT244T	AL
IC10410	9DK001-12085	J	HD74HCT244T	AL
IC10411	9DK001-12103	J	74LCX157MTC	AK
IC10419	9DK001-12102	J	TC7WH123FK	AM
IC10420	9DK001-12121	J	NC7WZ126K	AK
IC10422	9DK001-12070	J	HD74HCT125T	AL
IC10428	9DK001-15148	J	LTC1694	AT

Note: When replacing the following parts, it becomes PWB replacement correspondence.

Ref. No.	Part No.	★	Description	Code
IC10413	—	–	SII170	—

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q10012	9DK001-20039	J	IMB3AF	AE
Q10013	9DK001-20041	J	2SC2412KF	AC
Q10015	9DK001-20040	J	2SA1037AFK	AL
Q10102	9DK001-20036	J	NDC7002N	AL
Q10103	9DK001-20041	J	2SC2412KF	AL
Q10120	9DK001-20036	J	NDC7002N	AL

DIODES

Ref. No.	Part No.	★	Description	Code
D10009	9DK001-30027	J	Diode	AC
D10020	9DK001-30027	J	Diode	AC
D10050	9DK001-30026	J	Diode	AD
D10051	9DK001-30026	J	Diode	AD
D10054	9DK001-30022	J	Diode	AG
D10055	9DK001-30022	J	Diode	AG
D10056	9DK001-30022	J	Diode	AG
D10057	9DK001-30022	J	Diode	AG
D10073	9DK001-30029	J	Diode	AC
D10078	9DK001-30028	J	Diode	AD
D10079	9DK001-30026	J	Diode	AD
D10080	9DK001-30026	J	Diode	AD
D10081	9DK001-30026	J	Diode	AD
D10082	9DK001-30026	J	Diode	AD
D10083	9DK001-30026	J	Diode	AD
D10084	9DK001-30026	J	Diode	AD
D10085	9DK001-30026	J	Diode	AD
D10086	9DK001-30026	J	Diode	AD
D10087	9DK001-30026	J	Diode	AD

PACKAGED CIRCUITS

Ref. No.	Part No.	★	Description	Code
X10001	9DK001-80012	J	Crystal, 1.8432MHz	AN
X10003	9DK001-80036	J	Crystal, 1.8432MHz	AR
X10004	9DK001-80027	J	Crystal, 25.000MHz	AR
X10005	9DK001-80042	J	Crystal, 91.3MHz	AS
X10006	9DK001-80037	J	Crystal, 25.175MHz	AR

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PC I/F UNIT (AVC System) (Continued)

FILTERS AND COILS

Ref. No.	Part No.	★	Description			Code
FL10010	9DK001-81081	J	Ferrite Bead			AC
FL10032	9DK001-81081	J	Ferrite Bead			AC
FL10098	9DK001-50388	J	33	1/10W	Metal Oxide	AA
FL10110	9DK001-50382	J	0	1/10W	Metal Oxide	AA
FL10200	9DK001-81081	J	Ferrite Bead			AC
FL10201	9DK001-81081	J	Ferrite Bead			AC
FL10204	9DK001-81081	J	Ferrite Bead			AC
FL10209	9DK001-81081	J	Ferrite Bead			AC
L10001	9DK001-81083	J	Inductor			AR
L10002	9DK001-81083	J	Inductor			AR
L10004	9DK001-81083	J	Inductor			AR
L10022	9DK001-81083	J	Inductor			AR

CAPACITORS

Ref. No.	Part No.	★	Description			Code
C10001	9DK001-42094	J	0.1	25V	Ceramic	AC
C10006	9DK001-42094	J	0.1	25V	Ceramic	AC
C10007	9DK001-42094	J	0.1	25V	Ceramic	AC
C10008	9DK001-42094	J	0.1	25V	Ceramic	AC
C10009	9DK001-42094	J	0.1	25V	Ceramic	AC
C10012	9DK001-42103	J	15p	50V	Ceramic	AC
C10013	9DK001-42103	J	15p	50V	Ceramic	AC
C10014	9DK001-42094	J	0.1	25V	Ceramic	AC
C10017	9DK001-42094	J	0.1	25V	Ceramic	AC
C10018	9DK001-42094	J	0.1	25V	Ceramic	AC
C10019	9DK001-42104	J	470	50V	Ceramic	AC
C10020	9DK001-42104	J	470	50V	Ceramic	AC
C10021	9DK001-42094	J	0.1	25V	Ceramic	AC
C10022	9DK001-42094	J	0.1	25V	Ceramic	AC
C10023	9DK001-42094	J	0.1	25V	Ceramic	AC
C10024	9DK001-40138	J	10	16V	Electrolytic	AD
C10025	9DK001-42094	J	0.1	25V	Ceramic	AC
C10026	9DK001-42094	J	0.1	25V	Ceramic	AC
C10027	9DK001-42094	J	0.1	25V	Ceramic	AC
C10028	9DK001-42094	J	0.1	25V	Ceramic	AC
C10029	9DK001-42094	J	0.1	25V	Ceramic	AC
C10030	9DK001-42105	J	0.047	50V	Ceramic	AC
C10031	9DK001-42094	J	0.1	25V	Ceramic	AC
C10032	9DK001-42105	J	0.047	50V	Ceramic	AC
C10033	9DK001-42094	J	0.1	25V	Ceramic	AC
C10034	9DK001-42094	J	0.1	25V	Ceramic	AC
C10035	9DK001-42094	J	0.1	25V	Ceramic	AC
C10036	9DK001-42094	J	0.1	25V	Ceramic	AC
C10037	9DK001-42094	J	0.1	25V	Ceramic	AC
C10038	9DK001-42094	J	0.1	25V	Ceramic	AC
C10042	9DK001-42094	J	0.1	25V	Ceramic	AC
C10043	9DK001-42094	J	0.1	25V	Ceramic	AC
C10051	9DK001-42094	J	0.1	25V	Ceramic	AC
C10052	9DK001-42094	J	0.1	25V	Ceramic	AC
C10053	9DK001-42094	J	0.1	25V	Ceramic	AC
C10062	9DK001-42094	J	0.1	25V	Ceramic	AC
C10070	9DK001-42094	J	0.1	25V	Ceramic	AC
C10078	9DK001-42094	J	0.1	25V	Ceramic	AC
C10079	9DK001-40141	J	47	6.3V	Electrolytic	AC
C10080	9DK001-40140	J	47	16V	Electrolytic	AD
C10081	9DK001-42094	J	0.1	25V	Ceramic	AC
C10082	9DK001-42094	J	0.1	25V	Ceramic	AC
C10083	9DK001-42094	J	0.1	25V	Ceramic	AC
C10084	9DK001-40147	J	33	10V	Electrolytic	AD
C10096	9DK001-40141	J	47	6.3V	Electrolytic	AC
C10110	9DK001-42094	J	0.1	25V	Ceramic	AC
C10111	9DK001-42094	J	0.1	25V	Ceramic	AC
C10112	9DK001-42094	J	0.1	25V	Ceramic	AC
C10113	9DK001-42156	J	1	6.3V	Ceramic	AC
C10114	9DK001-42094	J	0.1	25V	Ceramic	AC
C10115	9DK001-42094	J	0.1	25V	Ceramic	AC
C10116	9DK001-42094	J	0.1	25V	Ceramic	AC
C10117	9DK001-42094	J	0.1	25V	Ceramic	AC
C10118	9DK001-42094	J	0.1	25V	Ceramic	AC
C10119	9DK001-42094	J	0.1	25V	Ceramic	AC
C10120	9DK001-42094	J	0.1	25V	Ceramic	AC
C10121	9DK001-42094	J	0.1	25V	Ceramic	AC
C10122	9DK001-42156	J	1	6.3V	Ceramic	AC
C10123	9DK001-42094	J	0.1	25V	Ceramic	AC
C10124	9DK001-42094	J	0.1	25V	Ceramic	AC
C10125	9DK001-42094	J	0.1	25V	Ceramic	AC
C10126	9DK001-42156	J	1	6.3V	Ceramic	AC
C10127	9DK001-42099	J	100p	50V	Ceramic	AC
C10128	9DK001-42149	J	0.33	16V	Film	AM
C10130	9DK001-42099	J	100p	50V	Ceramic	AC
C10131	9DK001-42094	J	0.1	25V	Ceramic	AC
C10132	9DK001-42156	J	1	6.3V	Ceramic	AC
C10133	9DK001-42094	J	0.1	25V	Ceramic	AC
C10134	9DK001-42094	J	0.1	25V	Ceramic	AC
C10135	9DK001-42094	J	0.1	25V	Ceramic	AC
C10136	9DK001-42094	J	0.1	25V	Ceramic	AC
C10137	9DK001-42094	J	0.1	25V	Ceramic	AC
C10138	9DK001-42094	J	0.1	25V	Ceramic	AC
C10143	9DK001-42094	J	0.1	25V	Ceramic	AC
C10144	9DK001-40131	J	47	10V	Elect.(N.P)	AF
C10145	9DK001-42094	J	0.1	25V	Ceramic	AC
C10146	9DK001-40147	J	33	10V	Electrolytic	AD
C10149	9DK001-42094	J	0.1	25V	Ceramic	AC
C10350	9DK001-42094	J	0.1	25V	Ceramic	AC
C10361	9DK001-40111	J	100	6.3V	Elect.(N.P)	AL
C10366	9DK001-40111	J	100	6.3V	Elect.(N.P)	AL
C10367	9DK001-40109	J	150	4V	Elect.(N.P)	AM
C10531	9DK001-40141	J	47	6.3V	Electrolytic	AC
C10532	9DK001-42094	J	0.1	25V	Ceramic	AC
C10537	9DK001-40138	J	10	16V	Electrolytic	AD
C10538	9DK001-42094	J	0.1	25V	Ceramic	AC
C10542	9DK001-40138	J	10	16V	Electrolytic	AD
C10543	9DK001-42094	J	0.1	25V	Ceramic	AC
C10544	9DK001-42094	J	0.1	25V	Ceramic	AC
C10545	9DK001-42094	J	0.1	25V	Ceramic	AC
C10546	9DK001-42094	J	0.1	25V	Ceramic	AC
C10550	9DK001-40138	J	10	16V	Electrolytic	AD
C10551	9DK001-42094	J	0.1	25V	Ceramic	AC
C10552	9DK001-42094	J	0.1	25V	Ceramic	AC
C10553	9DK001-42094	J	0.1	25V	Ceramic	AC
C10554	9DK001-40138	J	10	16V	Electrolytic	AD
C10555	9DK001-42094	J	0.1	25V	Ceramic	AC
C10556	9DK001-42094	J	0.1	25V	Ceramic	AC
C10557	9DK001-42094	J	0.1	25V	Ceramic	AC
C10558	9DK001-42094	J	0.1	25V	Ceramic	AC
C10559	9DK001-42113	J	4.7	10V	Ceramic	AB
C10562	9DK001-42094	J	0.1	25V	Ceramic	AC
C10563	9DK001-42094	J	0.1	25V	Ceramic	AC
C10564	9DK001-40111	J	100	6.3V	Elect.(N.P)	AL
C10565	9DK001-42094	J	0.1	25V	Ceramic	AC
C10566	9DK001-42123	J	330	50V	Ceramic	AC
C10573	9DK001-40122	J	100	6.3V	Elect.(N.P)	AL
C10574	9DK001-40122	J	100	6.3V	Elect.(N.P)	AL
C10575	9DK001-42094	J	0.1	25V	Ceramic	AC
C10576	9DK001-42094	J	0.1	25V	Ceramic	AC
C10577	9DK001-42094	J	0.1	25V	Ceramic	AC
C10578	9DK001-42094	J	0.1	25V	Ceramic	AC
C10579	9DK001-42094	J	0.1	25V	Ceramic	AC
C10580	9DK001-42094	J	0.1	25V	Ceramic	AC
C10581	9DK001-42094	J	0.1	25V	Ceramic	AC
C10582	9DK001-42094	J	0.1	25V	Ceramic	AC
C10583	9DK001-42094	J	0.1	25V	Ceramic	AC
C10584	9DK001-42094	J	0.1	25V	Ceramic	AC
C10585	9DK001-42094	J	0.1	25V	Ceramic	AC
C10586	9DK001-42094	J	0.1	25V	Ceramic	AC
C10589	9DK001-42094	J	0.1	25V	Ceramic	AC
C10590	9DK001-42094	J	0.1	25V	Ceramic	AC
C10591	9DK001-42094	J	0.1	25V	Ceramic	AC
C10592	9DK001-42094	J	0.1	25V	Ceramic	AC
C10593	9DK001-42094	J	0.1	25V	Ceramic	AC
C10594	9DK001-42094	J	0.1	25V	Ceramic	AC
C10595	9DK001-42094	J	0.1	25V	Ceramic	AC
C10596	9DK001-42094	J	0.1	25V	Ceramic	AC
C10597	9DK001-42094	J	0.1	25V	Ceramic	AC
C10598	9DK001-42094	J	0.1	25V	Ceramic	AC
C10599	9DK001-42094	J	0.1	25V	Ceramic	AC

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PC I/F UNIT (AVC System) (Continued)

Ref. No.	Part No.	★	Description			Code
C10600	9DK001-42094	J	0.1	25V	Ceramic	AC
C10697	9DK001-42096	J	0.01	50V	Ceramic	AC
C10698	9DK001-42094	J	0.1	25V	Ceramic	AC
C10700	9DK001-42094	J	0.1	25V	Ceramic	AC
C10702	9DK001-42094	J	0.1	25V	Ceramic	AC
C10704	9DK001-42111	J	1	10V	Ceramic	AB
C10705	9DK001-42145	J	0.1	16V	Film	AK
C10706	9DK001-42140	J	0.022	25V	Ceramic	AC
C10715	9DK001-42096	J	0.01	50V	Ceramic	AC
C10716	9DK001-42094	J	0.1	25V	Ceramic	AC
C10717	9DK001-42096	J	0.01	50V	Ceramic	AC
C10741	9DK001-40141	J	47	6.3V	Electrolytic	AC
C10757	9DK001-42113	J	4.7	10V	Ceramic	AB
C10759	9DK001-42094	J	0.1	25V	Ceramic	AC
C10762	9DK001-42094	J	0.1	25V	Ceramic	AC
C10763	9DK001-42094	J	0.1	25V	Ceramic	AC
C10764	9DK001-42094	J	0.1	25V	Ceramic	AC
C10766	9DK001-42094	J	0.1	25V	Ceramic	AC
C10768	9DK001-42111	J	1	10V	Ceramic	AB
C10769	9DK001-42113	J	4.7	10V	Ceramic	AB
C10777	9DK001-42094	J	0.1	25V	Ceramic	AC
C10800	9DK001-42094	J	0.1	25V	Ceramic	AC
C10802	9DK001-42094	J	0.1	25V	Ceramic	AC
C10803	9DK001-42094	J	0.1	25V	Ceramic	AC
C10804	9DK001-40143	J	2.2	50V	Electrolytic	AD
C10805	9DK001-40143	J	2.2	50V	Electrolytic	AD
C10806	9DK001-40143	J	2.2	50V	Electrolytic	AD
C10807	9DK001-40143	J	2.2	50V	Electrolytic	AD
C10808	9DK001-40143	J	2.2	50V	Electrolytic	AD
C10813	9DK001-42094	J	0.1	25V	Ceramic	AC
C10814	9DK001-42094	J	0.1	25V	Ceramic	AC
C10815	9DK001-42094	J	0.1	25V	Ceramic	AC
C10816	9DK001-42094	J	0.1	25V	Ceramic	AC
C10817	9DK001-42094	J	0.1	25V	Ceramic	AC
C10818	9DK001-42094	J	0.1	25V	Ceramic	AC
C10819	9DK001-42094	J	0.1	25V	Ceramic	AC
C10820	9DK001-42094	J	0.1	25V	Ceramic	AC
C10821	9DK001-42094	J	0.1	25V	Ceramic	AC
C10822	9DK001-42094	J	0.1	25V	Ceramic	AC
C10823	9DK001-42094	J	0.1	25V	Ceramic	AC
C10824	9DK001-42094	J	0.1	25V	Ceramic	AC
C10825	9DK001-42094	J	0.1	25V	Ceramic	AC
C10826	9DK001-42094	J	0.1	25V	Ceramic	AC
C10827	9DK001-42094	J	0.1	25V	Ceramic	AC
C10828	9DK001-42094	J	0.1	25V	Ceramic	AC
C10829	9DK001-42094	J	0.1	25V	Ceramic	AC
C10830	9DK001-42094	J	0.1	25V	Ceramic	AC
C10831	9DK001-42094	J	0.1	25V	Ceramic	AC
C10832	9DK001-42094	J	0.1	25V	Ceramic	AC
C10833	9DK001-42094	J	0.1	25V	Ceramic	AC
C10834	9DK001-42094	J	0.1	25V	Ceramic	AC
C10835	9DK001-42094	J	0.1	25V	Ceramic	AC
C10836	9DK001-42094	J	0.1	25V	Ceramic	AC
C10837	9DK001-42094	J	0.1	25V	Ceramic	AC
C10838	9DK001-42094	J	0.1	25V	Ceramic	AC
C10839	9DK001-42094	J	0.1	25V	Ceramic	AC
C10840	9DK001-42094	J	0.1	25V	Ceramic	AC
C10841	9DK001-42094	J	0.1	25V	Ceramic	AC
C10842	9DK001-42094	J	0.1	25V	Ceramic	AC
C10843	9DK001-42094	J	0.1	25V	Ceramic	AC
C10844	9DK001-42094	J	0.1	25V	Ceramic	AC
C10845	9DK001-42094	J	0.1	25V	Ceramic	AC
C10846	9DK001-42111	J	1	10V	Ceramic	AB
C10847	9DK001-40142	J	100	6.3V	Electrolytic	AD
C10848	9DK001-42094	J	0.1	25V	Ceramic	AC
C10849	9DK001-40142	J	100	6.3V	Electrolytic	AD
C10850	9DK001-40111	J	100	6.3V	Elect.(N.P)	AL
C10851	9DK001-40152	J	120	6.3V	Elect.(N.P)	AK
C10852	9DK001-40141	J	47	6.3V	Electrolytic	AC
C10853	9DK001-42094	J	0.1	25V	Ceramic	AC
C10854	9DK001-40140	J	47	16V	Electrolytic	AD
C10855	9DK001-42133	J	82p	50V	Ceramic	AC
C10856	9DK001-42094	J	0.1	25V	Ceramic	AC
C10857	9DK001-40138	J	10	16V	Electrolytic	AD
C10858	9DK001-42133	J	82p	50V	Ceramic	AC
C10859	9DK001-42094	J	0.1	25V	Ceramic	AC
C10860	9DK001-40138	J	10	16V	Electrolytic	AD
C10863	9DK001-42133	J	82p	50V	Ceramic	AC
C10864	9DK001-42133	J	82p	50V	Ceramic	AC
C10865	9DK001-40143	J	2.2	50V	Electrolytic	AD
C10867	9DK001-40138	J	10	16V	Electrolytic	AD
C10869	9DK001-42094	J	0.1	25V	Ceramic	AC
C10870	9DK001-42133	J	82p	50V	Ceramic	AC
C10872	9DK001-42094	J	0.1	25V	Ceramic	AC
C10874	9DK001-42133	J	82p	50V	Ceramic	AC
C10875	9DK001-42133	J	82p	50V	Ceramic	AC
C10876	9DK001-42094	J	0.1	25V	Ceramic	AC
C10879	9DK001-42133	J	82p	50V	Ceramic	AC
C10904	9DK001-42094	J	0.1	25V	Ceramic	AC
C10905	9DK001-42157	J	0.1	25V	Ceramic	AC
C10907	9DK001-42094	J	0.1	25V	Ceramic	AC
C10908	9DK001-42094	J	0.1	25V	Ceramic	AC
C10913	9DK001-42094	J	0.1	25V	Ceramic	AC
C10916	9DK001-42094	J	0.1	25V	Ceramic	AC
C10919	9DK001-42094	J	0.1	25V	Ceramic	AC
C10920	9DK001-42113	J	4.7	10V	Ceramic	AB
C10921	9DK001-40111	J	100	6.3V	Elect.(N.P)	AL
C10980	9DK001-42094	J	0.1	25V	Ceramic	AC

RESISTORS

Ref. No.	Part No.	★	Description			Code
R10010	9DK001-51050	J	10k	1/16W	Resistor Array	AB
R10011	9DK001-51050	J	10k	1/16W	Resistor Array	AB
R10017	9DK001-50397	J	33k	1/16W	Metal Oxide	AA
R10019	9DK001-51050	J	10k	1/16W	Resistor Array	AB
R10022	9DK001-50350	J	10k	1/16W	Metal Oxide	AA
R10027	9DK001-50352	J	27k	1/16W	Metal Oxide	AA
R10029	9DK001-51050	J	10k	1/16W	Resistor Array	AB
R10033	9DK001-51050	J	10k	1/16W	Resistor Array	AB
R10034	9DK001-51050	J	10k	1/16W	Resistor Array	AB
R10035	9DK001-51050	J	10k	1/16W	Resistor Array	AB
R10036	9DK001-51050	J	10k	1/16W	Resistor Array	AB
R10040	9DK001-50390	J	68	1/16W	Metal Oxide	AA
R10043	9DK001-51050	J	10k	1/16W	Resistor Array	AB
R10044	9DK001-51050	J	10k	1/16W	Resistor Array	AB
R10050	9DK001-51050	J	10k	1/16W	Resistor Array	AB
R10051	9DK001-51050	J	10k	1/16W	Resistor Array	AB
R10057	9DK001-51050	J	10k	1/16W	Resistor Array	AB
R10058	9DK001-51050	J	10k	1/16W	Resistor Array	AB
R10062	9DK001-51049	J	10	1/16W	Resistor Array	AB
R10065	9DK001-51050	J	10k	1/16W	Resistor Array	AB
R10128	9DK001-50340	J	10	1/16W	Metal Oxide	AA
R10132	9DK001-50384	J	3.3k	1/16W	Metal Oxide	AA
R10133	9DK001-50385	J	3k	1/16W	Metal Oxide	AA
R10137	9DK001-50350	J	10k	1/16W	Metal Oxide	AA
R10289	9DK001-50353	J	4.7k	1/16W	Metal Oxide	AA
R10340	9DK001-50350	J	10k	1/16W	Metal Oxide	AA
R10650	9DK001-50350	J	10k	1/16W	Metal Oxide	AA
R10652	9DK001-51050	J	10k	1/16W	Resistor Array	AB
R10654	9DK001-50345	J	150	1/16W	Metal Oxide	AA
R10656	9DK001-50353	J	4.7k	1/16W	Metal Oxide	AA
R10664	9DK001-50395	J	15k	1/16W	Metal Oxide	AA
R10665	9DK001-50395	J	15k	1/16W	Metal Oxide	AA
R10671	9DK001-50395	J	15k	1/16W	Metal Oxide	AA
R10677	9DK001-50391	J	470	1/16W	Metal Oxide	AA
R10678	9DK001-50333	J	1k	1/16W	Metal Oxide	AA
R10680	9DK001-50333	J	1k	1/16W	Metal Oxide	AA
R10681	9DK001-50386	J	5.1k	1/16W	Metal Oxide	AA
R10682	9DK001-50333	J	1k	1/16W	Metal Oxide	AA
R10688	9DK001-50330	J	0	1/16W	Metal Oxide	AA
R10689	9DK001-50391	J	470	1/16W	Metal Oxide	AA
R10692	9DK001-50330	J	0	1/16W	Metal Oxide	AA
R10693	9DK001-50330	J	0	1/16W	Metal Oxide	AA
R10694	9DK001-50330	J	0	1/16W	Metal Oxide	AA
R10695	9DK001-50330	J	0	1/16W	Metal Oxide	AA
R10730	9DK001-50347	J	680	1/16W	Metal Oxide	AA
R10731	9DK001-50393	J	620	1/16W	Metal Oxide	AA

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PC I/F UNIT (AVC System) (Continued)

Ref. No.	Part No.	★	Description	Code
R10743	9DK001-50349	J	1.8k 1/16W Metal Oxide	AA
R10745	9DK001-50330	J	0 1/16W Metal Oxide	AA
R10747	9DK001-50330	J	0 1/16W Metal Oxide	AA
R10749	9DK001-50330	J	0 1/16W Metal Oxide	AA
R10867	9DK001-50330	J	0 1/16W Metal Oxide	AA
R10868	9DK001-50330	J	0 1/16W Metal Oxide	AA
R10869	9DK001-50330	J	0 1/16W Metal Oxide	AA
R10877	9DK001-50350	J	10k 1/16W Metal Oxide	AA
R10911	9DK001-50338	J	10 1/10W Metal Oxide	AA
R10912	9DK001-50338	J	10 1/10W Metal Oxide	AA
R10920	9DK001-50344	J	100 1/16W Metal Oxide	AA
R10921	9DK001-50330	J	0 1/16W Metal Oxide	AA
R10922	9DK001-50350	J	10k 1/16W Metal Oxide	AA
R10924	9DK001-50353	J	4.7k 1/16W Metal Oxide	AA
R10925	9DK001-50353	J	4.7k 1/16W Metal Oxide	AA
R10927	9DK001-50344	J	100 1/16W Metal Oxide	AA
R10928	9DK001-50344	J	100 1/16W Metal Oxide	AA
R10929	9DK001-50344	J	100 1/16W Metal Oxide	AA
R10930	9DK001-50344	J	100 1/16W Metal Oxide	AA
R10934	9DK001-51056	J	68 1/16W Resistor Array	AB
R10936	9DK001-51056	J	68 1/16W Resistor Array	AB
R10937	9DK001-51056	J	68 1/16W Resistor Array	AB
R10939	9DK001-51056	J	68 1/16W Resistor Array	AB
R10940	9DK001-51056	J	68 1/16W Resistor Array	AB
R10941	9DK001-51056	J	68 1/16W Resistor Array	AB
R10947	9DK001-51055	J	56 1/16W Resistor Array	AB
R10950	9DK001-51057	J	6.8k 1/16W Resistor Array	AB
R10951	9DK001-51057	J	6.8k 1/16W Resistor Array	AB
R10955	9DK001-51057	J	6.8k 1/16W Resistor Array	AB
R10959	9DK001-51056	J	68 1/16W Resistor Array	AB
R10960	9DK001-51056	J	68 1/16W Resistor Array	AB
R10961	9DK001-51056	J	68 1/16W Resistor Array	AB
R10962	9DK001-51056	J	68 1/16W Resistor Array	AB
R10963	9DK001-51056	J	68 1/16W Resistor Array	AB
R10964	9DK001-51056	J	68 1/16W Resistor Array	AB
R10965	9DK001-51056	J	68 1/16W Resistor Array	AB
R10966	9DK001-51056	J	68 1/16W Resistor Array	AB
R10967	9DK001-51056	J	68 1/16W Resistor Array	AB
R10968	9DK001-51056	J	68 1/16W Resistor Array	AB
R10969	9DK001-51056	J	68 1/16W Resistor Array	AB
R10970	9DK001-51056	J	68 1/16W Resistor Array	AB
R10971	9DK001-51051	J	33 1/16W Resistor Array	AB
R10972	9DK001-51051	J	33 1/16W Resistor Array	AB
R10973	9DK001-51051	J	33 1/16W Resistor Array	AB
R10974	9DK001-51051	J	33 1/16W Resistor Array	AB
R10975	9DK001-51051	J	33 1/16W Resistor Array	AB
R10976	9DK001-51051	J	33 1/16W Resistor Array	AB
R10977	9DK001-50350	J	10k 1/16W Metal Oxide	AA
R10978	9DK001-50330	J	0 1/16W Metal Oxide	AA
R10979	9DK001-50330	J	0 1/16W Metal Oxide	AA
R10980	9DK001-50330	J	0 1/16W Metal Oxide	AA
R10999	9DK001-50392	J	510 1/16W Metal Oxide	AA
R11002	9DK001-50344	J	100 1/16W Metal Oxide	AA
R11003	9DK001-50344	J	100 1/16W Metal Oxide	AA
R11006	9DK001-50396	J	2.2k 1/16W Metal Oxide	AA
R11007	9DK001-50351	J	1k 1/16W Metal Oxide	AA
R11008	9DK001-50351	J	1k 1/16W Metal Oxide	AA
R11009	9DK001-50396	J	2.2k 1/16W Metal Oxide	AA
R11011	9DK001-50397	J	33k 1/16W Metal Oxide	AA
R11012	9DK001-50351	J	1k 1/16W Metal Oxide	AA
R11042	9DK001-50394	J	820 1/16W Metal Oxide	AA
R11043	9DK001-50394	J	820 1/16W Metal Oxide	AA
R11044	9DK001-50394	J	820 1/16W Metal Oxide	AA
R11058	9DK001-50353	J	4.7k 1/16W Metal Oxide	AA
R11059	9DK001-50353	J	4.7k 1/16W Metal Oxide	AA
R11060	9DK001-50353	J	4.7k 1/16W Metal Oxide	AA
R11061	9DK001-50353	J	4.7k 1/16W Metal Oxide	AA
R11062	9DK001-50353	J	4.7k 1/16W Metal Oxide	AA
R11076	9DK001-51050	J	10k 1/16W Resistor Array	AB
R11077	9DK001-50383	J	150 1/16W Metal Oxide	AA
R11079	9DK001-51055	J	56 1/16W Resistor Array	AB
R11080	9DK001-50330	J	0 1/16W Metal Oxide	AA
R11081	9DK001-50330	J	0 1/16W Metal Oxide	AA
R11082	9DK001-50389	J	22 1/16W Metal Oxide	AA
R11083	9DK001-50351	J	1k 1/16W Metal Oxide	AA
R11084	9DK001-50350	J	10k 1/16W Metal Oxide	AA
R11085	9DK001-50350	J	10k 1/16W Metal Oxide	AA
R11089	9DK001-50344	J	100 1/16W Metal Oxide	AA
R11099	9DK001-50330	J	0 1/16W Metal Oxide	AA
R11101	9DK001-51055	J	56 1/16W Resistor Array	AB
R11102	9DK001-51055	J	56 1/16W Resistor Array	AB
R11104	9DK001-50344	J	100 1/16W Metal Oxide	AA
R11106	9DK001-50350	J	10k 1/16W Metal Oxide	AA
R11110	9DK001-50353	J	4.7k 1/16W Metal Oxide	AA
R11126	9DK001-50387	J	10 1/4W Metal Oxide	AA
R11127	9DK001-50350	J	10k 1/16W Metal Oxide	AA
R11128	9DK001-50342	J	47 1/16W Metal Oxide	AA
R11129	9DK001-50350	J	10k 1/16W Metal Oxide	AA
R11130	9DK001-50350	J	10k 1/16W Metal Oxide	AA
R11131	9DK001-50350	J	10k 1/16W Metal Oxide	AA
R11132	9DK001-50344	J	100 1/16W Metal Oxide	AA
R11134	9DK001-50330	J	0 1/16W Metal Oxide	AA
R11135	9DK001-50350	J	10k 1/16W Metal Oxide	AA
R11201	9DK001-50344	J	100 1/16W Metal Oxide	AA
R11202	9DK001-50341	J	33 1/16W Metal Oxide	AA
R11203	9DK001-50350	J	10k 1/16W Metal Oxide	AA
R11204	9DK001-50333	J	1k 1/16W Metal Oxide	AA
R11205	9DK001-50350	J	10k 1/16W Metal Oxide	AA

SWITCH

Ref. No.	Part No.	★	Description	Code
S10001	9DK001-70012	J	Slide Switch	AL

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
FB10016	9DK001-81081	J	Ferrite Bead	AC
FB10018	9DK001-50382	J	0 1/10W Metal Oxide	AA
FB10019	9DK001-50382	J	0 1/10W Metal Oxide	AA
FB10050	9DK001-81060	J	Ferrite Bead	AF
FB10051	9DK001-81060	J	Ferrite Bead	AF
FB10052	9DK001-81060	J	Ferrite Bead	AF
FB10053	9DK001-81060	J	Ferrite Bead	AF
FB10054	9DK001-81081	J	Ferrite Bead	AC
CN10001	9DK001-60074	J	Connector, 15-pin	AL
CN10003	9DK001-60121	J	Connector, 50-pin	AQ
CN10005	9DK001-60066	J	Connector, 9-pin	AT
CN10006	9DK001-60067	J	Connector, 30-pin	AK
CN10007	9DK001-60058	J	Connector, 50-pin	AS
CN10008	9DK001-60070	J	Connector, 12-pin	AH
CN10009	9DK001-60071	J	Connector, 13-pin	AH
FR10001	LANGTA083WJFW	J	Angle	AW
PLT10001	9DK001-89009	J	GND Plug	AF
PLT10002	9DK001-89009	J	GND Plug	AF
PLT10003	9DK001-89009	J	GND Plug	AF
PLT10004	9DK001-89009	J	GND Plug	AF
PLT10005	9DK001-89009	J	GND Plug	AF
PLT10006	9DK001-89009	J	GND Plug	AF
PLT10008	9DK001-89009	J	GND Plug	AF
PLT10009	9DK001-89009	J	GND Plug	AF
PLT10010	9DK001-89009	J	GND Plug	AF
PLT10011	9DK001-89009	J	GND Plug	AF
PLT10012	9DK001-89009	J	GND Plug	AF
PLT10013	9DK001-89009	J	GND Plug	AF
TP10004	9DK001-84015	J	Lug	AA
	XJPSN30P08XS0	J	Screw, x6	AA

DUNTKB955DE04
INVERTER-1 UNIT (Display)

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q7501	VS2SC5886++-1Y	J	2SC5886	AE
Q7502	VS2SC5886++-1Y	J	2SC5886	AE
Q7503	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q7504	VS2SC5886++-1Y	J	2SC5886	AE
Q7505	VS2SC5886++-1Y	J	2SC5886	AE
Q7506	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q7507	VS2SC5886++-1Y	J	2SC5886	AE
Q7508	VS2SC5886++-1Y	J	2SC5886	AE
Q7509	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q7510	VS2SC5886++-1Y	J	2SC5886	AE
Q7511	VS2SC5886++-1Y	J	2SC5886	AE
Q7512	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q7513	VSUPA606T//-1Y	J	UPA606T	AD
Q7514	VSUPA606T//-1Y	J	UPA606T	AD
Q7515	VSUPA606T//-1Y	J	UPA606T	AD
Q7516	VSUPA606T//-1Y	J	UPA606T	AD

DIODES

Ref. No.	Part No.	★	Description	Code
D7501	VHDMA157A//-1Y	J	Diode	AC
D7502	VHDMA157A//-1Y	J	Diode	AC
D7503	VHDDAN222//-1Y	J	Diode	AA
D7504	VHDMA157A//-1Y	J	Diode	AC
D7505	VHDMA157A//-1Y	J	Diode	AC
D7506	VHDDAN222//-1Y	J	Diode	AA
D7507	VHDMA157A//-1Y	J	Diode	AC
D7508	VHDMA157A//-1Y	J	Diode	AC
D7509	VHDDAN222//-1Y	J	Diode	AA
D7510	VHDMA157A//-1Y	J	Diode	AC
D7511	VHDMA157A//-1Y	J	Diode	AC
D7512	VHDDAN222//-1Y	J	Diode	AA
D7513	VHDDAN222//-1Y	J	Diode	AA
D7514	VHDDAN222//-1Y	J	Diode	AA

COILS

Ref. No.	Part No.	★	Description	Code
L7501	RCiLPA034WJZZ	J	Coil	AD
L7502	RCiLPA034WJZZ	J	Coil	AD
L7503	RCiLPA034WJZZ	J	Coil	AD
L7504	RCiLPA034WJZZ	J	Coil	AD

TRANSFORMER

Ref. No.	Part No.	★	Description	Code
⚠ T7501	RTRNZA018WJZZQ	J	Transformer	AQ
⚠ T7503	RTRNZA018WJZZQ	J	Transformer	AQ
⚠ T7505	RTRNZA020WJZZQ	J	Transformer	AQ
⚠ T7507	RTRNZA020WJZZQ	J	Transformer	AQ

CAPACITORS

Ref. No.	Part No.	★	Description	Code
C7501	RC-FZA108WJZZ	J	0.12 250V Film	AD
C7502	VCKYCY1HB332KY	J	3300p 50V Ceramic	AA
C7503	VCKYCY1HB472KY	J	4700p 50V Ceramic	AA
C7504	RC-EZA210WJZZ	J	1000 25V Electrolytic	AD
C7505	RC-FZA108WJZZ	J	0.12 250V Film	AD
C7506	VCKYCY1HB332KY	J	3300p 50V Ceramic	AA
C7507	VCKYCY1HB472KY	J	4700p 50V Ceramic	AA
C7508	RC-EZA210WJZZ	J	1000 25V Electrolytic	AD
C7509	RC-FZA108WJZZ	J	0.12 250V Film	AD
C7510	VCKYCY1HB332KY	J	3300p 50V Ceramic	AA
C7511	VCKYCY1HB472KY	J	4700p 50V Ceramic	AA
C7512	RC-EZA210WJZZ	J	1000 25V Electrolytic	AD
C7513	RC-FZA108WJZZ	J	0.12 250V Film	AD
C7514	VCKYCY1HB332KY	J	3300p 50V Ceramic	AA
C7515	VCKYCY1HB472KY	J	4700p 50V Ceramic	AA
C7516	RC-EZA210WJZZ	J	1000 25V Electrolytic	AD
C7517	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
C7518	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
C7519	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
C7520	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
C7521	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
C7522	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
C7523	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
C7524	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
C7526	VCKYCY1EB333KY	J	0.033 25V Ceramic	AA
C7528	VCKYCY1EB333KY	J	0.033 25V Ceramic	AA
C7530	VCKYCY1EB333KY	J	0.033 25V Ceramic	AA
C7532	VCKYCY1EB333KY	J	0.033 25V Ceramic	AA

RESISTORS

Ref. No.	Part No.	★	Description	Code
R7501	VRS-TW2ED122JY	J	1.2k 1/4W Metal Oxide	AA
R7502	VRS-TW2ED122JY	J	1.2k 1/4W Metal Oxide	AA
R7503	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7504	VRS-CY1JF333JY	J	33k 1/16W Metal Oxide	AA
R7505	VRS-TW2ED122JY	J	1.2k 1/4W Metal Oxide	AA
R7506	VRS-TW2ED122JY	J	1.2k 1/4W Metal Oxide	AA
R7507	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7508	VRS-CY1JF333JY	J	33k 1/16W Metal Oxide	AA
R7509	VRS-TW2ED122JY	J	1.2k 1/4W Metal Oxide	AA
R7510	VRS-TW2ED122JY	J	1.2k 1/4W Metal Oxide	AA
R7511	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7512	VRS-CY1JF333JY	J	33k 1/16W Metal Oxide	AA
R7513	VRS-TW2ED122JY	J	1.2k 1/4W Metal Oxide	AA
R7514	VRS-TW2ED122JY	J	1.2k 1/4W Metal Oxide	AA
R7515	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7516	VRS-CY1JF333JY	J	33k 1/16W Metal Oxide	AA
R7517	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7518	VRS-CY1JF824JY	J	820k 1/16W Metal Oxide	AA
R7519	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7520	VRS-CY1JF824JY	J	820k 1/16W Metal Oxide	AA
R7521	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R7522	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R7523	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7524	VRS-CY1JF824JY	J	820k 1/16W Metal Oxide	AA
R7525	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7526	VRS-CY1JF824JY	J	820k 1/16W Metal Oxide	AA
R7527	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R7528	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R7529	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7530	VRS-CY1JF824JY	J	820k 1/16W Metal Oxide	AA
R7531	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7532	VRS-CY1JF824JY	J	820k 1/16W Metal Oxide	AA
R7533	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R7534	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R7535	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7536	VRS-CY1JF824JY	J	820k 1/16W Metal Oxide	AA
R7537	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7538	VRS-CY1JF824JY	J	820k 1/16W Metal Oxide	AA
R7539	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R7540	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R7541	VRS-CY1JF563JY	J	56k 1/16W Metal Oxide	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
⚠ F7501	QFS-D0004CEZZ	J	Fuse, 800mA /250V	AE
⚠ F7502	QFS-D0004CEZZ	J	Fuse, 800mA /250V	AE
⚠ F7503	QFS-D0004CEZZ	J	Fuse, 800mA /250V	AE
⚠ F7504	QFS-D0004CEZZ	J	Fuse, 800mA /250V	AE
FH7501	QFSHD1002CEZZ	J	Fuse Holder	AA
FH7502	QFSHD1002CEZZ	J	Fuse Holder	AA
FH7503	QFSHD1002CEZZ	J	Fuse Holder	AA
FH7504	QFSHD1002CEZZ	J	Fuse Holder	AA
FH7505	QFSHD1002CEZZ	J	Fuse Holder	AA
FH7506	QFSHD1002CEZZ	J	Fuse Holder	AA
FH7507	QFSHD1002CEZZ	J	Fuse Holder	AA
FH7508	QFSHD1002CEZZ	J	Fuse Holder	AA
P7501	QPLGN0155FJZZY	J	Plug, 3-pin	AE
P7502	QPLGN0155FJZZY	J	Plug, 3-pin	AE
P7503	QPLGN0155FJZZY	J	Plug, 3-pin	AE
P7504	QPLGN0155FJZZY	J	Plug, 3-pin	AE
P7505	QPLGN0268GEZZ	J	Plug, 2-pin	AB
P7506	QPLGNA044WJZZ	J	Plug, 5-pin	AC
P7507	QPLGNA047WJZZ	J	Plug, 8-pin	AC
P7508	QPLGZ0613CEZZ	J	Plug, 6-pin	AD
P7510	QLUGHA002WJZZ	J	Lug	AB
	QCNW-B577WJQZ	J	Connecting Cord	AK
	QCNW-B582WJQZ	J	Connecting Cord	AP

DUNTKB956DE04
INVERTER-3 UNIT (Display)

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q7611	VS2SC5886++-1Y	J	2SC5886	AE
Q7612	VS2SC5886++-1Y	J	2SC5886	AE
Q7613	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q7614	VS2SC5886++-1Y	J	2SC5886	AE
Q7615	VS2SC5886++-1Y	J	2SC5886	AE
Q7616	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q7617	VS2SC5886++-1Y	J	2SC5886	AE
Q7618	VS2SC5886++-1Y	J	2SC5886	AE
Q7619	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q7620	VS2SC5886++-1Y	J	2SC5886	AE
Q7621	VS2SC5886++-1Y	J	2SC5886	AE
Q7622	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q7623	VSUPA606T//-1Y	J	UPA606T	AD
Q7624	VSUPA606T//-1Y	J	UPA606T	AD
Q7625	VSUPA606T//-1Y	J	UPA606T	AD
Q7626	VSUPA606T//-1Y	J	UPA606T	AD

DIODES

Ref. No.	Part No.	★	Description	Code
D7611	VHDMA157A//-1Y	J	Diode	AC
D7612	VHDMA157A//-1Y	J	Diode	AC
D7613	VHDDAN222//-1Y	J	Diode	AA
D7614	VHDMA157A//-1Y	J	Diode	AC
D7615	VHDMA157A//-1Y	J	Diode	AC
D7616	VHDDAN222//-1Y	J	Diode	AA
D7617	VHDMA157A//-1Y	J	Diode	AC
D7618	VHDMA157A//-1Y	J	Diode	AC
D7619	VHDDAN222//-1Y	J	Diode	AA
D7620	VHDMA157A//-1Y	J	Diode	AC
D7621	VHDMA157A//-1Y	J	Diode	AC
D7622	VHDDAN222//-1Y	J	Diode	AA
D7623	VHDDAN222//-1Y	J	Diode	AA
D7624	VHDDAN222//-1Y	J	Diode	AA

COILS

Ref. No.	Part No.	★	Description	Code
L7611	RCiLPA034WJZZ	J	Coil	AD
L7612	RCiLPA034WJZZ	J	Coil	AD
L7613	RCiLPA034WJZZ	J	Coil	AD
L7614	RCiLPA034WJZZ	J	Coil	AD

TRANSFORMER

Ref. No.	Part No.	★	Description	Code
⚠ T7611	RTRNZA018WJZZQ	J	Transformer	AQ
⚠ T7613	RTRNZA018WJZZQ	J	Transformer	AQ
⚠ T7615	RTRNZA020WJZZQ	J	Transformer	AQ
⚠ T7617	RTRNZA020WJZZQ	J	Transformer	AQ

CAPACITORS

Ref. No.	Part No.	★	Description	Code
C7604	VCKYCY1EB333KY	J	0.033 25V Ceramic	AA
C7606	VCKYCY1EB333KY	J	0.033 25V Ceramic	AA
C7608	VCKYCY1EB333KY	J	0.033 25V Ceramic	AA
C7610	VCKYCY1EB333KY	J	0.033 25V Ceramic	AA
C7611	RC-FZA108WJZZ	J	0.12 250V Film	AD
C7612	VCKYCY1HB332KY	J	3300p 50V Ceramic	AA
C7613	VCKYCY1HB472KY	J	4700p 50V Ceramic	AA
C7614	RC-EZA210WJZZ	J	1000 25V Electrolytic	AD
C7615	RC-FZA108WJZZ	J	0.12 250V Film	AD
C7616	VCKYCY1HB332KY	J	3300p 50V Ceramic	AA
C7617	VCKYCY1HB472KY	J	4700p 50V Ceramic	AA
C7618	RC-EZA210WJZZ	J	1000 25V Electrolytic	AD
C7619	RC-FZA108WJZZ	J	0.12 250V Film	AD
C7620	VCKYCY1HB332KY	J	3300p 50V Ceramic	AA
C7621	VCKYCY1HB472KY	J	4700p 50V Ceramic	AA
C7622	RC-EZA210WJZZ	J	1000 25V Electrolytic	AD
C7623	RC-FZA108WJZZ	J	0.12 250V Film	AD
C7624	VCKYCY1HB332KY	J	3300p 50V Ceramic	AA
C7625	VCKYCY1HB472KY	J	4700p 50V Ceramic	AA
C7626	RC-EZA210WJZZ	J	1000 25V Electrolytic	AD
C7627	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
C7628	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
C7629	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
C7630	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
C7631	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
C7632	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
C7633	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
C7634	RC-KZ0072TAZZY	J	1 25V Ceramic	AC

RESISTORS

Ref. No.	Part No.	★	Description	Code
R7611	VRS-TW2ED122JY	J	1.2k 1/4W Metal Oxide	AA
R7612	VRS-TW2ED122JY	J	1.2k 1/4W Metal Oxide	AA
R7613	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7614	VRS-CY1JF333JY	J	33k 1/16W Metal Oxide	AA
R7615	VRS-TW2ED122JY	J	1.2k 1/4W Metal Oxide	AA
R7616	VRS-TW2ED122JY	J	1.2k 1/4W Metal Oxide	AA
R7617	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7618	VRS-CY1JF333JY	J	33k 1/16W Metal Oxide	AA
R7619	VRS-TW2ED122JY	J	1.2k 1/4W Metal Oxide	AA
R7620	VRS-TW2ED122JY	J	1.2k 1/4W Metal Oxide	AA
R7621	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7622	VRS-CY1JF333JY	J	33k 1/16W Metal Oxide	AA
R7623	VRS-TW2ED122JY	J	1.2k 1/4W Metal Oxide	AA
R7624	VRS-TW2ED122JY	J	1.2k 1/4W Metal Oxide	AA
R7625	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7626	VRS-CY1JF333JY	J	33k 1/16W Metal Oxide	AA
R7627	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7628	VRS-CY1JF824JY	J	820k 1/16W Metal Oxide	AA
R7629	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7630	VRS-CY1JF824JY	J	820k 1/16W Metal Oxide	AA
R7631	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R7632	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R7633	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7634	VRS-CY1JF824JY	J	820k 1/16W Metal Oxide	AA
R7635	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7636	VRS-CY1JF824JY	J	820k 1/16W Metal Oxide	AA
R7637	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R7638	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R7639	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7640	VRS-CY1JF824JY	J	820k 1/16W Metal Oxide	AA
R7675	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7676	VRS-CY1JF824JY	J	820k 1/16W Metal Oxide	AA
R7677	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R7678	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R7679	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7680	VRS-CY1JF824JY	J	820k 1/16W Metal Oxide	AA
R7681	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7682	VRS-CY1JF824JY	J	820k 1/16W Metal Oxide	AA
R7683	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R7684	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R7685	VRS-CY1JF563JY	J	56k 1/16W Metal Oxide	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
⚠ F7611	QFS-D0004CEZZ	J	Fuse, 800mA/250V	AE
⚠ F7612	QFS-D0004CEZZ	J	Fuse, 800mA/250V	AE
⚠ F7613	QFS-D0004CEZZ	J	Fuse, 800mA/250V	AE
⚠ F7614	QFS-D0004CEZZ	J	Fuse, 800mA/250V	AE
FH7611	QFSHD1002CEZZ	J	Fuse Holder	AA
FH7612	QFSHD1002CEZZ	J	Fuse Holder	AA
FH7613	QFSHD1002CEZZ	J	Fuse Holder	AA
FH7614	QFSHD1002CEZZ	J	Fuse Holder	AA
FH7615	QFSHD1002CEZZ	J	Fuse Holder	AA
FH7616	QFSHD1002CEZZ	J	Fuse Holder	AA
FH7617	QFSHD1002CEZZ	J	Fuse Holder	AA
FH7618	QFSHD1002CEZZ	J	Fuse Holder	AA
P7611	QPLGN0155FJZZY	J	Plug, 3-pin	AE
P7612	QPLGN0155FJZZY	J	Plug, 3-pin	AE
P7613	QPLGN0155FJZZY	J	Plug, 3-pin	AE
P7614	QPLGN0155FJZZY	J	Plug, 3-pin	AE
P7615	QPLGN0368GEZZ	J	Plug, 3-pin	AB
P7616	QPLGNA045WJZZ	J	Plug, 6-pin	AC
P7617	QPLGZ0613CEZZ	J	Plug, 6-pin	AD
P7618	QPLGNA047WJZZ	J	Plug, 8-pin	AC
P7620	QLUGHA002WJZZ	J	Lug	AB
	QCNW-B578WJQZ	J	Connecting Cord	AK

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INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC2001	VHiPST529DM-1Y	J	PST529DMT	AE
IC2003	VHiT7WT125U-1Y	J	TC7WT125FU	AF
IC2008	VHiBR24C08F-1Y	J	BR24C08F-E2	AF
IC2010	VHiMB8346BV-1Y	J	MB88346BPFV	AN
IC2014	VHiTC7W34U/-1Y	J	TC7W34FU	AE
IC2015	VHiSN2G66CT-1Y	J	SN74AHC2G66HDC	AE
IC2016	VHiTC7SH08U-1Y	J	TC7SH08FU	AF
IC2017	VHiLVX125FT-1Y	J	TC74LVX125FT	AG
IC2201	VHiTC7W34U/-1Y	J	TC7W34FU	AE
IC2202	RH-iXA757WJN1Y	J	M24128-BWMN6T	AN
IC2203	VHi24LC21++4ES	J	24LC21	AK
IC2204	VHiPST9221N-1Y	J	PST9221NR	AE
IC2205	VHiPST9228N-1Y	J	PST9228NR	AE
IC4101	RH-iXA706WJZZQ	J	IR3E12M1	AN
IC4102	VHiNJM4580V-1Y	J	NJM4580V	AE
IC4107	VHiLP2951CM-1Y	J	LP2951CMX	AL
IC4108	VHiPQ1CZ21H-1Y	J	PQ1CZ21H2ZP	AH
IC4109	VHiLT1615ES-1Y	J	LT1615ES5	AP
IC4114	VHiLT1617ES-1Y	J	LT1617ES5	AP
IC4116	VHiLTC1872+-1Y	J	LTC1872ES6	AR
IC4501	RH-iXA725WJZZQ	J	LR38854	BC
IC4701	RH-iXA332WJZZQ	J	XC2S150-5PQ208	BM
IC4702	RH-iXA312WJN1Q	J	MT48LC2M32B2TG	AX
IC4703	RH-iXA743WJN1	J	XC17S150XLPD8C	AW
IC4901	RH-iXA332WJZZQ	J	XC2S150-5PQ208	BM
IC4902	RH-iXA312WJN1Q	J	MT48LC2M32B2TG	AX
IC4903	VHiTC74AC8T-1Y	J	TC74AC08FT	AF
IC4904	RH-iXA744WJN1	J	XC17S150XLPD8C	AW
IC7701	VHiAN8005M/-1Y	J	AN8005M	AD
IC7703	VHiPQ20WZ11-1Y	J	PQ20WZ1U	AF
IC7704	VHiPQ1CZ21H-1Y	J	PQ1CZ21H2ZP	AH
IC7705	VHiPQ1CZ21H-1Y	J	PQ1CZ21H2ZP	AH
IC7706	VHiPQ1CZ21H-1Y	J	PQ1CZ21H2ZP	AH
IC7707	VHiPQ3DZ13U-1Y	J	PQ3DZ13U	AG
IC7708	VHiTA78L12F-1Y	J	TA78L12F	AF
IC7709	VHiPST529DM-1Y	J	PST529DMT	AE

Note: When replacing the following parts, it becomes PWB replacement correspondence.

Ref. No.	Part No.	★	Description	Code
IC2004	—	–	Microprocessor	—
IC2206	—	–	Receiver	—
IC2208	—	–	HDCP KEY	—

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q2001	VSFMMT718//-1Y	J	FMMT718	AE
Q2002	VSDTC144EE/-1Y	J	DTC144EE	AA
Q2003	VSFMMT718//-1Y	J	FMMT718	AE
Q2004	VSDTC144EE/-1Y	J	DTC144EE	AA
Q2005	VS2SK536///-1Y	J	2SK536	AE
Q2006	VS2SK536///-1Y	J	2SK536	AE
Q2007	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q2008	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q2009	VSDTC144EE/-1Y	J	DTC144EE	AA
Q2010	VSDTC114EE/-1Y	J	DTC114EE	AB
Q2011	VS2SK536///-1Y	J	2SK536	AE
Q2012	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q2013	VS2SK536///-1Y	J	2SK536	AE
Q2014	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q2201	VSDTC114EE/-1Y	J	DTC114EE	AB
Q2202	VS2SK536///-1Y	J	2SK536	AE
Q2203	VSDTA114EE/-1Y	J	DTA114EE	AB
Q2204	VS2SK536///-1Y	J	2SK536	AE
Q2205	VSDTA114EE/-1Y	J	DTA114EE	AB
Q2206	VSDTC114EE/-1Y	J	DTC114EE	AB
Q2207	VSDTA114EE/-1Y	J	DTA114EE	AB
Q2208	VSDTC114EE/-1Y	J	DTC114EE	AB
Q2209	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q2210	VSDTC114EE/-1Y	J	DTC114EE	AB
Q2211	VSDTC114EE/-1Y	J	DTC114EE	AB
Q2212	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q2213	VSDTA114EE/-1Y	J	DTA114EE	AB
Q2214	VSDTC114EE/-1Y	J	DTC114EE	AB
Q2215	VSDTC114EE/-1Y	J	DTC114EE	AB
Q2216	VSDTA114EE/-1Y	J	DTA114EE	AB
Q2217	VS2SK536///-1Y	J	2SK536	AE
Q2218	VS2SK536///-1Y	J	2SK536	AE
Q2219	VSDTC114EE/-1Y	J	DTC114EE	AB
Q2220	VSDTC114EE/-1Y	J	DTC114EE	AB
Q4101	VS2SD1664Q+-1Y	J	2SD1664Q	AC
Q4103	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q4104	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q4105	VSTP0610T++-1Y	J	TP0610T	AD
Q4106	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q4107	VSDTC114EE/-1Y	J	DTC114EE	AB
Q4108	VS2SK1826++-1Y	J	2SK1826	AC
Q4109	VS2SK1826++-1Y	J	2SK1826	AC
Q4110	VSSi4884DY+-1Y	J	Si4884DY-T1	AG
Q4112	VS2SB1132Q/-1Y	J	2SB1132Q	AC
Q7701	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q7704	VSDTC114EE/-1Y	J	DTC114EE	AB
Q7705	VSDTC114EE/-1Y	J	DTC114EE	AB

DIODES

Ref. No.	Part No.	★	Description	Code
D2001	RH-EX1315CEZZY	J	Zener Diode	AC
D2002	RH-EX1315CEZZY	J	Zener Diode	AC
D2003	VHD1SS355//-1Y	J	Diode	AB
D2004	VHDMA157A//-1Y	J	Diode	AC
D2010	VHDDAN222//-1Y	J	Diode	AA
D2201	RH-EX1249CEZZY	J	Zener Diode, 6.2V	AB
D2202	RH-EX1249CEZZY	J	Zener Diode, 6.2V	AB
D2203	VHDDA221///-1Y	J	Diode	AB
D2204	VHDDAN222//-1Y	J	Diode	AA
D2205	VHDDA221///-1Y	J	Diode	AB
D2206	RH-EX1249CEZZY	J	Zener Diode, 6.2V	AB
D2207	RH-EX1249CEZZY	J	Zener Diode, 6.2V	AB
D2208	RH-EX1249CEZZY	J	Zener Diode, 6.2V	AB
D2209	RH-EX1249CEZZY	J	Zener Diode, 6.2V	AB
D2210	RH-EX1249CEZZY	J	Zener Diode, 6.2V	AB
D2211	RH-EX1249CEZZY	J	Zener Diode, 6.2V	AB
D2212	VHDHSU119//-1Y	J	Diode	AB
D2214	RH-EX1249CEZZY	J	Zener Diode, 6.2V	AB
D2215	RH-EX1249CEZZY	J	Zener Diode, 6.2V	AB
D2216	RH-EX1249CEZZY	J	Zener Diode, 6.2V	AB
D2217	RH-EX1249CEZZY	J	Zener Diode, 6.2V	AB
D2218	VHDHSU119//-1Y	J	Diode	AB
D2219	RH-EX1249CEZZY	J	Zener Diode, 6.2V	AB
D2220	RH-EX1249CEZZY	J	Zener Diode, 6.2V	AB
D2221	RH-EX1283CEZZY	J	Zener Diode, 18V	AB
D2222	RH-EX1283CEZZY	J	Zener Diode, 18V	AB
D2223	RH-EX1283CEZZY	J	Zener Diode, 18V	AB
D2224	RH-EX1283CEZZY	J	Zener Diode, 18V	AB
D4101	VHDHSU119//-1Y	J	Diode	AB
D4102	VHDSFPB74//2EY	J	Diode	AD
D4103	VHDHSU119//-1Y	J	Diode	AB
D4104	VHDHSU119//-1Y	J	Diode	AB
D4105	VHDSFPB54//2EY	J	Diode	AC
D4106	RH-EX1274CEZZY	J	Zener Diode, 13V	AB
D4107	VHDHSU119//-1Y	J	Diode	AB
D4108	VHDSFPB54//2EY	J	Diode	AC
D4109	VHDSFPB74//2EY	J	Diode	AD
D4501	VHDDAN222//-1Y	J	Diode	AA
D7701	VHDSC8024//-1Y	J	Diode	AC
D7702	VHDSC8024//-1Y	J	Diode	AC
D7704	VHDHSU119//-1Y	J	Diode	AB
D7705	VHDSFPB54//2EY	J	Diode	AC
D7706	VHDSFPB54//2EY	J	Diode	AC
D7707	VHDSFPB54//2EY	J	Diode	AC
D7708	VHDHSU119//-1Y	J	Diode	AB
D7709	VHDDAN222//-1Y	J	Diode	AA

PACKAGED CIRCUITS

Ref. No.	Part No.	★	Description	Code
X2201	RCRUAA015WJZZY	J	Crystal	AM

FILTERS AND COILS

Ref. No.	Part No.	★	Description	Code
FL2001	RFiLZA003WJPZY	J	Filter	AD
FL2201	RFiLNA022WJZZY	J	Filter	AE

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Ref. No.	Part No.	★	Description	Code
FL2202	RFiLNA022WJZZY	J	Filter	AE
FL2203	RFiLNA022WJZZY	J	Filter	AE
FL2204	RFiLNA022WJZZY	J	Filter	AE
FL2205	RFiLNA022WJZZY	J	Filter	AE
FL2206	RFiLNA022WJZZY	J	Filter	AE
FL2207	RFiLNA022WJZZY	J	Filter	AE
FL2208	RFiLNA022WJZZY	J	Filter	AE
FL2209	RFiLNA022WJZZY	J	Filter	AE
FL2210	RFiLNA022WJZZY	J	Filter	AE
FL2211	RFiLNA022WJZZY	J	Filter	AE
FL2212	RFiLNA022WJZZY	J	Filter	AE
FL2213	RFiLNA022WJZZY	J	Filter	AE
FL2214	RFiLNA022WJZZY	J	Filter	AE
FL2215	RFiLNA022WJZZY	J	Filter	AE
FL4101	RFiLNA002WJZZY	J	Filter	AD
FL4102	RFiLNA002WJZZY	J	Filter	AD
FL4103	RFiLNA002WJZZY	J	Filter	AD
FL4104	RFiLNA002WJZZY	J	Filter	AD
FL4501	RFiLNA021WJZZY	J	Filter	AE
FL4502	RFiLNA021WJZZY	J	Filter	AE
FL4503	RFiLNA021WJZZY	J	Filter	AE
FL4504	RFiLNA021WJZZY	J	Filter	AE
FL4505	RFiLNA021WJZZY	J	Filter	AE
FL4506	RFiLNA021WJZZY	J	Filter	AE
FL4507	RFiLNA021WJZZY	J	Filter	AE
FL4508	RFiLNA021WJZZY	J	Filter	AE
FL4509	RFiLNA021WJZZY	J	Filter	AE
FL4510	RFiLNA021WJZZY	J	Filter	AE
FL4511	RFiLNA021WJZZY	J	Filter	AE
FL4512	RFiLNA021WJZZY	J	Filter	AE
FL4513	RFiLNA021WJZZY	J	Filter	AE
FL4514	RFiLNA021WJZZY	J	Filter	AE
FL4515	RFiLNA021WJZZY	J	Filter	AE
FL4516	RFiLNA021WJZZY	J	Filter	AE
FL4517	RFiLNA021WJZZY	J	Filter	AE
FL4518	RFiLNA021WJZZY	J	Filter	AE
FL4519	RFiLNA021WJZZY	J	Filter	AE
FL4520	RFiLNA021WJZZY	J	Filter	AE
FL4521	RFiLNA021WJZZY	J	Filter	AE
FL4522	RFiLNA021WJZZY	J	Filter	AE
FL4523	RFiLNA021WJZZY	J	Filter	AE
FL4524	RFiLNA021WJZZY	J	Filter	AE
FL4601	RFiLNA002WJZZY	J	Filter	AD
FL4602	RFiLNA002WJZZY	J	Filter	AD
FL4603	RFiLNA002WJZZY	J	Filter	AD
FL4604	RFiLNA002WJZZY	J	Filter	AD
L4101	RCiLP0343TAZZY	J	Coil	AD
L4102	RCiLP0402CEZZY	J	Coil	AF
L4103	RCiLP0355TAZZY	J	Coil	AD
L4104	RCiLP0343TAZZY	J	Coil	AD
L4105	VPD9M4R7J1R4NY	J	Peaking 4.7µH	AB
L4106	RCiLPA001WJZZY	J	Coil	AF
L4107	VPBWM220K1R2NY	J	Peaking 22µH	AC
L4108	VPBWM220K1R2NY	J	Peaking 22µH	AC
L4109	RCiLP0343TAZZY	J	Coil	AD
L4110	VPD9M4R7J1R4NY	J	Peaking 4.7µH	AB
L7701	RCiLP0343TAZZY	J	Coil	AD
L7702	RCiLP0399CEZZY	J	Coil	AE
L7704	RCiLP0399CEZZY	J	Coil	AE
L7705	RCiLP0402CEZZY	J	Coil	AF
L7707	RCiLP0344TAZZY	J	Coil	AD
L7708	RCiLP0344TAZZY	J	Coil	AD
L7709	RCiLP0343TAZZY	J	Coil	AD

TRANSFORMERS

Ref. No.	Part No.	★	Description	Code
T7611	RTRNZA018WJZZQ	J	Transformer	AQ
T7613	RTRNZA018WJZZQ	J	Transformer	AQ
T7615	RTRNZA020WJZZQ	J	Transformer	AQ
T7617	RTRNZA020WJZZQ	J	Transformer	AQ

CAPACITORS

Ref. No.	Part No.	★	Description			Code
C2001	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2002	RC-KZ1025CEZZY	J	Capacitor			AB
C2003	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C2004	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2005	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2006	RC-KZ1025CEZZY	J	Capacitor			AB
C2009	VCKYCY1HB102KY	J	1000p	50V	Ceramic	AA
C2011	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C2012	VCKYCY1HB102KY	J	1000p	50V	Ceramic	AA
C2013	VCKYCY1HB102KY	J	1000p	50V	Ceramic	AA
C2014	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2015	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2016	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2017	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2019	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2020	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C2021	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2022	VCEASX1CN107MY	J	100	16V	Electrolytic	AC
C2023	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2024	VCEASX1CN106MY	J	10	16V	Electrolytic	AC
C2025	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2026	VCEASX1CN106MY	J	10	16V	Electrolytic	AC
C2027	VCEASX1CN106MY	J	10	16V	Electrolytic	AC
C2028	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2029	VCEASX1CN107MY	J	100	16V	Electrolytic	AC
C2030	VCEASX1CN106MY	J	10	16V	Electrolytic	AC
C2031	VCEASX1CN106MY	J	10	16V	Electrolytic	AC
C2032	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2033	VCKYCY0JB105KY	J	1	6.3V	Ceramic	AC
C2034	VCKYCY1CF104ZY	J	0.1	16V	Ceramic	AA
C2035	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2036	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2201	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C2202	VCCCCY1HH470JY	J	47p	50V	Ceramic	AA
C2203	VCCCCY1HH470JY	J	47p	50V	Ceramic	AA
C2204	VCEASX1EN336MY	J	33	25V	Electrolytic	AC
C2205	VCKYCY1CB104KY	J	0.1	16V	Ceramic	AB
C2206	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C2207	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C2208	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C2209	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C2210	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C2211	VCAAPF0JJ107MY	J	100	6.3V	Electrolytic	AF
C2212	VCAAPF0JJ107MY	J	100	6.3V	Electrolytic	AF
C2213	VCEASX1CN476MY	J	47	16V	Electrolytic	AC
C2214	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2215	VCKYCY1CB104KY	J	0.1	16V	Ceramic	AB
C2216	VCKYCY1CB104KY	J	0.1	16V	Ceramic	AB
C2217	VCKYCY1CB104KY	J	0.1	16V	Ceramic	AB
C2218	VCKYCY1CB104KY	J	0.1	16V	Ceramic	AB
C2219	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2220	VCKYCY1CB104KY	J	0.1	16V	Ceramic	AB
C2221	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2222	VCKYCY1HB682KY	J	6800p	50V	Ceramic	AA
C2223	VCCCCY1HH820JY	J	82p	50V	Ceramic	AA
C2224	VCCCCY1HH820JY	J	82p	50V	Ceramic	AA
C2225	VCCCCY1HH471JY	J	470p	50V	Ceramic	AA
C2226	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2227	VCCCCY1HH331JY	J	330p	50V	Ceramic	AA
C2228	VCCCCY1HH331JY	J	330p	50V	Ceramic	AA
C2229	VCCCCY1HH820JY	J	82p	50V	Ceramic	AA
C2230	VCCCCY1HH820JY	J	82p	50V	Ceramic	AA
C2231	VCCCCY1HH820JY	J	82p	50V	Ceramic	AA
C2232	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2233	VCCCCY1HH820JY	J	82p	50V	Ceramic	AA
C2234	VCCCCY1HH820JY	J	82p	50V	Ceramic	AA
C2235	VCKYCY1HB472KY	J	4700p	50V	Ceramic	AA
C2236	VCCCCY1HH820JY	J	82p	50V	Ceramic	AA
C2237	VCCCCY1HH471JY	J	470p	50V	Ceramic	AA
C2238	VCKYCY1HB102KY	J	1000p	50V	Ceramic	AA
C2239	VCKYCY1HB102KY	J	1000p	50V	Ceramic	AA
C2240	VCKYCY1HB102KY	J	1000p	50V	Ceramic	AA
C2241	VCKYCY1HB102KY	J	1000p	50V	Ceramic	AA
C2242	VCCCCY1HH331JY	J	330p	50V	Ceramic	AA

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MONITOR UNIT (Display) (Continued)

Ref. No.	Part No.	★	Description			Code
C2243	VCCCCY1HH331JY	J	330p	50V	Ceramic	AA
C2244	VCCCCY1HH820JY	J	82p	50V	Ceramic	AA
C2245	VCCCCY1HH331JY	J	330p	50V	Ceramic	AA
C2247	VCCCCY1HH820JY	J	82p	50V	Ceramic	AA
C2248	VCCCCY1HH331JY	J	330p	50V	Ceramic	AA
C2249	VCCCCY1HH820JY	J	82p	50V	Ceramic	AA
C2250	VCCCCY1HH331JY	J	330p	50V	Ceramic	AA
C2251	VCCCCY1HH820JY	J	82p	50V	Ceramic	AA
C2252	VCCCCY1HH820JY	J	82p	50V	Ceramic	AA
C2253	VCCCCY1HH820JY	J	82p	50V	Ceramic	AA
C2254	VCKYCY1CB104KY	J	0.1	16V	Ceramic	AB
C2255	VCAAPF0JJ107MY	J	100	6.3V	Electrolytic	AF
C2256	VCCCCY1HH820JY	J	82p	50V	Ceramic	AA
C2258	VCAAPF0JJ107MY	J	100	6.3V	Electrolytic	AF
C2259	VCCCCY1HH820JY	J	82p	50V	Ceramic	AA
C2260	VCCCCY1HH820JY	J	82p	50V	Ceramic	AA
C2261	VCCCCY1HH820JY	J	82p	50V	Ceramic	AA
C2262	VCCCCY1HH331JY	J	330p	50V	Ceramic	AA
C2263	VCCCCY1HH820JY	J	82p	50V	Ceramic	AA
C2264	VCCCCY1HH820JY	J	82p	50V	Ceramic	AA
C2265	VCCCCY1HH101JY	J	100p	50V	Ceramic	AA
C2266	VCCCCY1HH101JY	J	100p	50V	Ceramic	AA
C2268	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C2269	VCCCCY1HH331JY	J	330p	50V	Ceramic	AA
C2270	VCCCCY1HH820JY	J	82p	50V	Ceramic	AA
C2271	VCKYCY0JB105KY	J	1	6.3V	Ceramic	AC
C2272	VCKYCY1AB474KY	J	0.47	10V	Ceramic	AC
C4102	RC-KZA096WJZZY	J	0.1	16V	Ceramic	AC
C4103	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4104	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4105	RC-KZA097WJZZY	J	0.1	16V	Ceramic	AD
C4106	RC-KZ0070TAZZY	J	4.7	16V	Ceramic	AD
C4107	RC-KZ0070TAZZY	J	4.7	16V	Ceramic	AD
C4108	RC-KZA096WJZZY	J	0.1	16V	Ceramic	AC
C4109	VCCCCY1HH680JY	J	68p	50V	Ceramic	AA
C4110	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4111	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4112	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4114	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4115	RC-KZA097WJZZY	J	0.1	16V	Ceramic	AD
C4116	VCKYTV1CB105KY	J	1	16V	Ceramic	AC
C4117	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4118	RC-KZA096WJZZY	J	0.1	16V	Ceramic	AC
C4119	VCKYTV1CB105KY	J	1	16V	Ceramic	AC
C4120	RC-KZA097WJZZY	J	0.1	16V	Ceramic	AD
C4121	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4122	RC-KZA096WJZZY	J	0.1	16V	Ceramic	AC
C4123	RC-KZA097WJZZY	J	0.1	16V	Ceramic	AD
C4124	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4125	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4136	VCAAPF1DJ226MY	J	22	20V	Electrolytic	AF
C4138	VCAAPF1DJ476MY	J	47	20V	Electrolytic	AF
C4142	VCKYCY1HB102KY	J	1000p	50V	Ceramic	AA
C4145	RC-KZ0070TAZZY	J	4.7	16V	Ceramic	AD
C4146	VCAAPF1CJ396MY	J	39	16V	Electrolytic	AF
C4147	VCEASX1CN477MY	J	470	16V	Electrolytic	AD
C4155	VCCCCY1HH5R0CY	J	5p	50V	Ceramic	AA
C4156	RC-KZA047WJZZY	J	1	50V	Ceramic	AC
C4159	VCEASX1EN476MY	J	47	25V	Electrolytic	AC
C4160	VCEASW1HN106MY	J	10	50V	Electrolytic	AC
C4161	RC-KZ0070TAZZY	J	4.7	16V	Ceramic	AD
C4162	VCCCCY1HH391JY	J	390p	50V	Ceramic	AB
C4163	RC-KZA047WJZZY	J	1	50V	Ceramic	AC
C4164	VCKYCY1CF224ZY	J	0.22	16V	Ceramic	AB
C4165	VCCCCY1HH101JY	J	100p	50V	Ceramic	AA
C4166	VCCCCY1HH221JY	J	220p	50V	Ceramic	AA
C4167	VCEASW0JN476MY	J	47	6.3V	Electrolytic	AC
C4168	RC-KZ0053TAZZY	J	10	10V	Ceramic	AD
C4169	VCAAPF1DJ396MY	J	39	20V	Electrolytic	AF
C4170	VCCCCY1HH101JY	J	100p	50V	Ceramic	AA
C4171	RC-KZ0070TAZZY	J	4.7	16V	Ceramic	AD
C4172	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4173	VCEASW0JN476MY	J	47	6.3V	Electrolytic	AC
C4174	RC-KZ0053TAZZY	J	10	10V	Ceramic	AD
C4175	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4176	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4177	VCAAPF1DJ226MY	J	22	20V	Electrolytic	AF
C4178	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4179	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4180	VCAAPF1DJ476MY	J	47	20V	Electrolytic	AF
C4181	RC-KZ0070TAZZY	J	4.7	16V	Ceramic	AD
C4187	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4192	VCKYCY1HB152KY	J	1500p	50V	Ceramic	AA
C4195	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4196	VCEASX1VN226MY	J	22	35V	Electrolytic	AC
C4197	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4501	VCAAPF0JJ227MY	J	220	6.3V	Electrolytic	AG
C4502	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4503	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4504	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4505	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4506	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4507	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4508	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4509	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4510	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4511	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4512	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4513	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4514	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4515	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4516	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4517	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4518	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4519	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4520	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4521	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4522	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4523	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4601	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4602	VCAAPF0JJ107MY	J	100	6.3V	Electrolytic	AF
C4603	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4604	VCAAPF1DJ226MY	J	22	20V	Electrolytic	AF
C4605	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4606	VCAAPF0JJ107MY	J	100	6.3V	Electrolytic	AF
C4607	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4608	VCAAPF1DJ226MY	J	22	20V	Electrolytic	AF
C4701	VCAAPF0JJ227MY	J	220	6.3V	Electrolytic	AG
C4702	VCAAPF0JJ227MY	J	220	6.3V	Electrolytic	AG
C4703	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4704	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4705	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4706	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4707	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4708	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4709	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4710	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4711	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4712	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4713	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4714	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4715	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4716	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4717	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4718	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4719	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4720	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4721	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4722	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4723	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4724	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4725	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4726	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4727	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4728	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4729	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA

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MONITOR UNIT (Display) (Continued)

Ref. No.	Part No.	★	Description	Code
C4730	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4731	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4732	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4733	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4901	VCAAPF0JJ227MY	J	220 6.3V Electrolytic	AG
C4902	VCAAPF0JJ227MY	J	220 6.3V Electrolytic	AG
C4903	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4904	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4905	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4906	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4907	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4908	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4909	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4910	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4911	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4912	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4913	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4914	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4915	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4916	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4917	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4918	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4919	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4920	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4921	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4922	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4923	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4924	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4925	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4926	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4927	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4928	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4929	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4933	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4934	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4935	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4936	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4938	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C7701	VCEASX1CN107MY	J	100 16V Electrolytic	AC
C7702	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C7703	VCEASX1CN226MY	J	22 16V Electrolytic	AC
C7704	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C7707	VCEASX1VN227MY	J	220 35V Electrolytic	AD
C7708	VCEASX1VN227MY	J	220 35V Electrolytic	AD
C7709	VCEASX1VN227MY	J	220 35V Electrolytic	AD
C7710	VCEASW1EN227MY	J	220 25V Electrolytic	AD
C7711	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C7712	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C7713	VCCCCY1HH681JY	J	680p 50V Ceramic	AB
C7714	VCCCCY1HH681JY	J	680p 50V Ceramic	AB
C7715	VCCCCY1HH681JY	J	680p 50V Ceramic	AB
C7716	VCEASX1EN107MY	J	100 25V Electrolytic	AD
C7717	VCEASW1CN107MY	J	100 16V Electrolytic	AC
C7718	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C7719	VCEASX0JN107MY	J	100 6.3V Electrolytic	AC
C7722	VCEASX1CN107MY	J	100 16V Electrolytic	AC
C7723	VCAAPD1CJ187MY	J	180 16V Electrolytic	AG
C7724	VCAAPD1CJ187MY	J	180 16V Electrolytic	AG
C7725	VCEASW1CN477MY	J	470 16V Electrolytic	AD
C7728	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C7729	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA

RESISTORS

Ref. No.	Part No.	★	Description	Code
R2001	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R2002	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R2003	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2004	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2005	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2006	VRS-CA1JF101JY	J	100 1/16W Metal Oxide	AA
R2007	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R2008	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R2009	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R2010	VRS-CY1JF683JY	J	68k 1/16W Metal Oxide	AA
R2011	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R2012	VRS-CA1JF333JY	J	33k 1/16W Metal Oxide	AA
R2014	VRS-CY1JF105JY	J	1M 1/16W Metal Oxide	AA
R2015	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R2017	VRS-CA1JF101JY	J	100 1/16W Metal Oxide	AA
R2018	VRS-CA1JF101JY	J	100 1/16W Metal Oxide	AA
R2019	VRS-CY1JF272JY	J	2.7k 1/16W Metal Oxide	AA
R2020	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2021	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2023	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R2024	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R2025	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R2026	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2027	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2028	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R2029	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R2030	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R2032	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R2033	VRS-CA1JF101JY	J	100 1/16W Metal Oxide	AA
R2034	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R2035	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R2036	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2037	VRS-CY1JF393JY	J	39k 1/16W Metal Oxide	AA
R2038	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2039	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2040	VRS-CY1JF333JY	J	33k 1/16W Metal Oxide	AA
R2041	VRS-CA1JF101JY	J	100 1/16W Metal Oxide	AA
R2042	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R2043	VRS-CB1JF101JY	J	100 1/16W Metal Oxide	AA
R2044	VRS-CA1JF101JY	J	100 1/16W Metal Oxide	AA
R2045	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2046	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2047	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2049	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2050	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R2051	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2052	VRS-CA1JF101JY	J	100 1/16W Metal Oxide	AA
R2053	VRS-CA1JF101JY	J	100 1/16W Metal Oxide	AA
R2054	VRS-CA1JF101JY	J	100 1/16W Metal Oxide	AA
R2055	VRS-CB1JF101JY	J	100 1/16W Metal Oxide	AA
R2058	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2059	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2060	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2063	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2064	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2065	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2070	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2071	VRS-CA1JF101JY	J	100 1/16W Metal Oxide	AA
R2072	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2073	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R2074	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R2075	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R2076	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2077	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2078	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2079	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2081	VRS-CY1JF123JY	J	12k 1/16W Metal Oxide	AA
R2082	VRS-CY1JF153JY	J	15k 1/16W Metal Oxide	AA
R2083	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2085	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2086	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R2091	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2092	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R2093	VRS-CY1JF123JY	J	12k 1/16W Metal Oxide	AA
R2094	VRS-CY1JF153JY	J	15k 1/16W Metal Oxide	AA
R2095	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2096	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2097	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R2098	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2099	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R2100	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2101	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2201	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA

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MONITOR UNIT (Display) (Continued)

Ref. No.	Part No.	★	Description	Code
R2204	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2205	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2206	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R2209	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2210	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2212	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2213	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2214	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2215	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2216	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2217	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R2218	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2219	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2220	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2221	VRS-CY1JF822FY	J	8.2k 1/16W Metal Oxide	AA
R2222	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2224	VRS-CY1JF222FY	J	2.2k 1/16W Metal Oxide	AA
R2227	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R2228	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R2229	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2230	VRS-CY1JF473FY	J	47k 1/16W Metal Oxide	AA
R2231	VRS-CY1JF473FY	J	47k 1/16W Metal Oxide	AA
R2232	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R2233	VRS-CY1JF100FY	J	10 1/16W Metal Oxide	AB
R2234	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R2235	VRS-CY1JF100FY	J	10 1/16W Metal Oxide	AB
R2238	VRS-CY1JF220JY	J	22 1/16W Metal Oxide	AA
R2239	VRS-CY1JF220JY	J	22 1/16W Metal Oxide	AA
R2240	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R2241	VRS-CY1JF220JY	J	22 1/16W Metal Oxide	AA
R2242	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R2243	VRS-CY1JF220JY	J	22 1/16W Metal Oxide	AA
R2244	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R2245	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2246	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R2247	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2248	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R2249	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2251	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2252	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2253	VRS-CY1JF330JY	J	33 1/16W Metal Oxide	AA
R2254	VRS-CY1JF330JY	J	33 1/16W Metal Oxide	AA
R2256	VRK-CD1JJ680JY	J	68 1/16W Metal Compo.	AC
R2257	VRK-CD1JJ680JY	J	68 1/16W Metal Compo.	AC
R2258	VRS-CB1JF680JY	J	68 1/16W Metal Oxide	AA
R2259	VRS-CA1JF680JY	J	68 1/16W Metal Oxide	AA
R2260	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2261	VRS-CY1JF511JY	J	510 1/16W Metal Oxide	AA
R2262	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2263	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2264	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2265	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R2266	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R2267	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2268	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R2269	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R2270	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R2272	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R2273	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R2274	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R2275	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2276	VRS-CY1JF152JY	J	1.5k 1/16W Metal Oxide	AA
R2278	VRS-CY1JF332JY	J	3.3k 1/16W Metal Oxide	AA
R2279	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R2281	VRK-CD1JJ680JY	J	68 1/16W Metal Compo.	AC
R2282	VRS-CB1JF680JY	J	68 1/16W Metal Oxide	AA
R2283	VRS-CA1JF680JY	J	68 1/16W Metal Oxide	AA
R2284	VRK-CD1JJ680JY	J	68 1/16W Metal Compo.	AC
R2285	VRS-CA1JF680JY	J	68 1/16W Metal Oxide	AA
R2286	VRS-CB1JF680JY	J	68 1/16W Metal Oxide	AA
R2287	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R2288	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R2289	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R2291	VRS-CA1JF680JY	J	68 1/16W Metal Oxide	AA
R2292	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2293	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2296	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R2297	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R2298	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R4101	VRS-CY1JF102FY	J	1k 1/16W Metal Oxide	AA
R4102	VRS-CY1JF123FY	J	12k 1/16W Metal Oxide	AA
R4103	VRS-CY1JF472FY	J	4.7k 1/16W Metal Oxide	AA
R4104	VRS-CY1JF433FY	J	43k 1/16W Metal Oxide	AA
R4106	VRS-CY1JF913FY	J	91k 1/16W Metal Oxide	AA
R4107	VRS-CY1JF682FY	J	6.8k 1/16W Metal Oxide	AA
R4110	VRS-CY1JF562FY	J	5.6k 1/16W Metal Oxide	AA
R4111	VRS-CY1JF132FY	J	1.3k 1/16W Metal Oxide	AA
R4112	VRS-CY1JF153FY	J	15k 1/16W Metal Oxide	AA
R4113	VRS-CY1JF330JY	J	33 1/16W Metal Oxide	AA
R4114	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R4115	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R4120	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R4121	VRS-CY1JF332FY	J	3.3k 1/16W Metal Oxide	AA
R4122	VRS-CY1JF682FY	J	6.8k 1/16W Metal Oxide	AA
R4123	VRS-CY1JF332FY	J	3.3k 1/16W Metal Oxide	AA
R4124	VRS-CY1JF332FY	J	3.3k 1/16W Metal Oxide	AA
R4125	VRS-CY1JF561FY	J	560 1/16W Metal Oxide	AA
R4126	VRS-CY1JF161FY	J	160 1/16W Metal Oxide	AA
R4127	VRS-CY1JF682FY	J	6.8k 1/16W Metal Oxide	AA
R4128	VRS-CY1JF332FY	J	3.3k 1/16W Metal Oxide	AA
R4129	VRS-CY1JF562FY	J	5.6k 1/16W Metal Oxide	AA
R4132	VRS-CY1JF393FY	J	39k 1/16W Metal Oxide	AA
R4133	VRS-CY1JF113FY	J	11k 1/16W Metal Oxide	AA
R4134	VRS-CY1JF821FY	J	820 1/16W Metal Oxide	AA
R4135	VRS-CH1JF100JY	J	10 1/16W Metal Oxide	AA
R4137	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R4138	VRS-CY1JF393FY	J	39k 1/16W Metal Oxide	AA
R4139	VRS-CY1JF163FY	J	16k 1/16W Metal Oxide	AA
R4140	VRS-CY1JF101FY	J	100 1/16W Metal Oxide	AD
R4141	VRS-CH1JF330JY	J	33 1/16W Metal Oxide	AA
R4142	VRS-CY1JF333FY	J	33k 1/16W Metal Oxide	AA
R4143	VRS-CY1JF163FY	J	16k 1/16W Metal Oxide	AA
R4144	VRS-CY1JF431FY	J	430 1/16W Metal Oxide	AA
R4145	VRS-CY1JF333FY	J	33k 1/16W Metal Oxide	AA
R4146	VRS-CY1JF183FY	J	18k 1/16W Metal Oxide	AA
R4147	VRS-CY1JF470FY	J	47 1/16W Metal Oxide	AA
R4148	VRS-CH1JF330JY	J	33 1/16W Metal Oxide	AA
R4149	VRS-CH1JF100JY	J	10 1/16W Metal Oxide	AA
R4150	VRS-CY1JF273FY	J	27k 1/16W Metal Oxide	AA
R4151	VRS-CY1JF183FY	J	18k 1/16W Metal Oxide	AA
R4152	VRS-CY1JF561FY	J	560 1/16W Metal Oxide	AA
R4153	VRS-CY1JF273FY	J	27k 1/16W Metal Oxide	AA
R4154	VRS-CY1JF183FY	J	18k 1/16W Metal Oxide	AA
R4155	VRS-CY1JF621FY	J	620 1/16W Metal Oxide	AA
R4156	VRS-CY1JF330JY	J	33 1/16W Metal Oxide	AA
R4157	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R4158	VRS-CY1JF163FY	J	16k 1/16W Metal Oxide	AA
R4159	VRS-CY1JF273FY	J	27k 1/16W Metal Oxide	AA
R4160	VRS-CY1JF621FY	J	620 1/16W Metal Oxide	AA
R4161	VRS-CY1JF330JY	J	33 1/16W Metal Oxide	AA
R4162	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R4163	VRS-CY1JF163FY	J	16k 1/16W Metal Oxide	AA
R4164	VRS-CY1JF273FY	J	27k 1/16W Metal Oxide	AA
R4165	VRS-CY1JF681FY	J	680 1/16W Metal Oxide	AA
R4166	VRS-CH1JF330JY	J	33 1/16W Metal Oxide	AA
R4167	VRS-CH1JF100JY	J	10 1/16W Metal Oxide	AA
R4168	VRS-CY1JF183FY	J	18k 1/16W Metal Oxide	AA
R4169	VRS-CY1JF393FY	J	39k 1/16W Metal Oxide	AA
R4170	VRS-CY1JF820FY	J	82 1/16W Metal Oxide	AA
R4171	VRS-CY1JF183FY	J	18k 1/16W Metal Oxide	AA
R4172	VRS-CY1JF433FY	J	43k 1/16W Metal Oxide	AA
R4173	VRS-CY1JF131FY	J	130 1/16W Metal Oxide	AA
R4174	VRS-CY1JF133FY	J	13k 1/16W Metal Oxide	AA
R4175	VRS-CY1JF363FY	J	36k 1/16W Metal Oxide	AA
R4176	VRS-CY1JF391FY	J	390 1/16W Metal Oxide	AA
R4177	VRS-CH1JF330JY	J	33 1/16W Metal Oxide	AA

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MONITOR UNIT (Display) (Continued)

Ref. No.	Part No.	★	Description	Code
R4178	VRS-CY1JF122FY	J	1.2k 1/16W Metal Oxide	AA
R4179	VRS-CY1JF562FY	J	5.6k 1/16W Metal Oxide	AA
R4180	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R4181	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R4182	VRS-CY1JF562FY	J	5.6k 1/16W Metal Oxide	AA
R4183	VRS-CH1JF100JY	J	10 1/16W Metal Oxide	AA
R4184	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R4185	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R4186	VRS-CY1JF363FY	J	36k 1/16W Metal Oxide	AA
R4187	VRS-CY1JF433FY	J	43k 1/16W Metal Oxide	AA
R4188	VRS-CY1JF363FY	J	36k 1/16W Metal Oxide	AA
R4189	VRS-CY1JF750JY	J	75 1/16W Metal Oxide	AA
R4190	VRS-CY1JF681FY	J	680 1/16W Metal Oxide	AA
R4191	VRS-CY1JF911FY	J	910 1/16W Metal Oxide	AA
R4192	VRS-CY1JF821FY	J	820 1/16W Metal Oxide	AA
R4193	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R4194	VRS-CY1JF121JY	J	120 1/16W Metal Oxide	AA
R4195	VRS-CY1JF682FY	J	6.8k 1/16W Metal Oxide	AA
R4198	VRS-CY1JF562FY	J	5.6k 1/16W Metal Oxide	AA
R4199	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R4210	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R4211	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R4212	VRS-TV1JD102JY	J	1k 1/10W Metal Oxide	AA
R4216	VRS-CY1JF105FY	J	1M 1/16W Metal Oxide	AA
R4217	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R4218	VRS-CY1JF393FY	J	39k 1/16W Metal Oxide	AA
R4219	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R4220	VRS-CY1JF105FY	J	1M 1/16W Metal Oxide	AA
R4221	VRS-TW2ED153JY	J	15k 1/4W Metal Oxide	AA
R4222	VRS-TW2ED562JY	J	5.6k 1/4W Metal Oxide	AB
R4223	RR-NZ0027TAZZY	J	0.056 1/4W	AC
R4224	VRS-TV1JD222JY	J	2.2k 1/10W Metal Oxide	AA
R4225	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R4226	VRS-TV1JD222JY	J	2.2k 1/10W Metal Oxide	AA
R4227	VRS-TW2ED821JY	J	820 1/4W Metal Oxide	AB
R4228	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R4229	VRS-CY1JF105FY	J	1M 1/16W Metal Oxide	AA
R4230	VRS-CY1JF202FY	J	2k 1/16W Metal Oxide	AA
R4231	VRS-CY1JF563JY	J	56k 1/16W Metal Oxide	AA
R4232	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R4233	VRS-CY1JF393FY	J	39k 1/16W Metal Oxide	AA
R4234	VRS-CY1JF154FY	J	150k 1/16W Metal Oxide	AA
R4235	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R4238	VRS-CY1JF105JY	J	1M 1/16W Metal Oxide	AA
R4239	VRS-TW2ED682JY	J	6.8k 1/4W Metal Oxide	AA
R4244	VRS-TW2ED562JY	J	5.6k 1/4W Metal Oxide	AB
R4249	VRS-CB1JF000JY	J	0 1/16W Metal Oxide	AC
R4250	VRS-CB1JF000JY	J	0 1/16W Metal Oxide	AC
R4253	VRS-CA1JF000JY	J	0 1/16W Metal Oxide	AB
R4256	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R4259	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R4260	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R4261	VRS-TW2ED101JY	J	100 1/4W Metal Oxide	AA
R4262	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R4263	VRS-CY1JF330JY	J	33 1/16W Metal Oxide	AA
R4264	VRS-TW2ED101JY	J	100 1/4W Metal Oxide	AA
R4270	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R4271	VRS-CY1JF102FY	J	1k 1/16W Metal Oxide	AA
R4272	VRS-CY1JF243FY	J	24k 1/16W Metal Oxide	AA
R4273	VRS-CY1JF513JY	J	51k 1/16W Metal Oxide	AA
R4501	VRK-CD1JJ330JY	J	33 1/16W Metal Compo.	AC
R4502	VRS-CB1JF101JY	J	100 1/16W Metal Oxide	AA
R4503	VRS-CB1JF101JY	J	100 1/16W Metal Oxide	AA
R4504	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R4505	VRK-CD1JJ330JY	J	33 1/16W Metal Compo.	AC
R4506	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R4507	VRK-CD1JJ330JY	J	33 1/16W Metal Compo.	AC
R4508	VRK-CD1JJ330JY	J	33 1/16W Metal Compo.	AC
R4509	VRK-CD1JJ330JY	J	33 1/16W Metal Compo.	AC
R4510	VRK-CD1JJ104JY	J	100k 1/16W Metal Compo.	AC
R4512	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R4513	VRS-CA1JF101JY	J	100 1/16W Metal Oxide	AA
R4514	VRK-CD1JJ330JY	J	33 1/16W Metal Compo.	AC
R4515	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R4516	VRK-CD1JJ330JY	J	33 1/16W Metal Compo.	AC
R4517	VRK-CD1JJ330JY	J	33 1/16W Metal Compo.	AC
R4518	VRS-CB1JF104JY	J	100k 1/16W Metal Oxide	AA
R4519	VRK-CD1JJ330JY	J	33 1/16W Metal Compo.	AC
R4520	VRS-CA1JF330JY	J	33 1/16W Metal Oxide	AC
R4521	VRS-CA1JF330JY	J	33 1/16W Metal Oxide	AC
R4522	VRS-CB1JF330JY	J	33 1/16W Metal Oxide	AC
R4523	VRK-CD1JJ330JY	J	33 1/16W Metal Compo.	AC
R4524	VRK-CD1JJ330JY	J	33 1/16W Metal Compo.	AC
R4525	VRK-CD1JJ330JY	J	33 1/16W Metal Compo.	AC
R4526	VRS-CB1JF330JY	J	33 1/16W Metal Oxide	AC
R4527	VRS-CB1JF330JY	J	33 1/16W Metal Oxide	AC
R4528	VRS-CA1JF330JY	J	33 1/16W Metal Oxide	AC
R4529	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R4613	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R4614	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R4701	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R4702	VRS-CA1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R4703	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R4704	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R4705	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R4706	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R4707	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R4708	VRS-TV1JD331JY	J	330 1/10W Metal Oxide	AB
R4711	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R4712	VRK-CD1JJ390JY	J	39 1/16W Metal Compo.	AC
R4713	VRK-CD1JJ390JY	J	39 1/16W Metal Compo.	AC
R4714	VRK-CD1JJ390JY	J	39 1/16W Metal Compo.	AC
R4715	VRS-CB1JF390JY	J	39 1/16W Metal Oxide	AA
R4716	VRK-CD1JJ390JY	J	39 1/16W Metal Compo.	AC
R4717	VRK-CD1JJ390JY	J	39 1/16W Metal Compo.	AC
R4718	VRK-CD1JJ390JY	J	39 1/16W Metal Compo.	AC
R4719	VRS-CB1JF390JY	J	39 1/16W Metal Oxide	AA
R4720	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R4721	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R4901	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R4902	VRS-CA1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R4903	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R4904	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R4905	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R4906	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R4907	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R4908	VRS-TV1JD331JY	J	330 1/10W Metal Oxide	AB
R4911	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R4915	VRK-CD1JJ390JY	J	39 1/16W Metal Compo.	AC
R4916	VRK-CD1JJ390JY	J	39 1/16W Metal Compo.	AC
R4917	VRK-CD1JJ390JY	J	39 1/16W Metal Compo.	AC
R4918	VRS-CB1JF390JY	J	39 1/16W Metal Oxide	AA
R4919	VRK-CD1JJ390JY	J	39 1/16W Metal Compo.	AC
R4920	VRK-CD1JJ390JY	J	39 1/16W Metal Compo.	AC
R4921	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R4922	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R4923	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R4924	VRK-CD1JJ390JY	J	39 1/16W Metal Compo.	AC
R4925	VRS-CB1JF390JY	J	39 1/16W Metal Oxide	AA
R4929	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R4930	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R4933	VRS-CY1JF560JY	J	56 1/16W Metal Oxide	AA
R4934	VRS-CY1JF560JY	J	56 1/16W Metal Oxide	AA
R4935	VRS-CY1JF560JY	J	56 1/16W Metal Oxide	AA
R7703	VRS-TW2ED330JY	J	33 1/4W Metal Oxide	AA
R7705	VRS-CY1JF332FY	J	3.3k 1/16W Metal Oxide	AA
R7706	VRS-CY1JF102FY	J	1k 1/16W Metal Oxide	AA
R7707	VRS-CY1JF102FY	J	1k 1/16W Metal Oxide	AA
R7708	VRS-CY1JF102FY	J	1k 1/16W Metal Oxide	AA
R7711	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R7713	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R7714	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R7715	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R7716	VRS-CY1JF302FY	J	3k 1/16W Metal Oxide	AA
R7717	VRS-CY1JF102FY	J	1k 1/16W Metal Oxide	AA
R7718	VRS-CY1JF332FY	J	3.3k 1/16W Metal Oxide	AA

DKEYHC016FE53

MONITOR UNIT (Display) (Continued)

Ref. No.	Part No.	★	Description	Code
R7719	VRS-CY1JF332FY	J	3.3k 1/16W Metal Oxide	AA
R7720	VRS-CY1JF332FY	J	3.3k 1/16W Metal Oxide	AA
R7721	VRS-CY1JF243FY	J	24k 1/16W Metal Oxide	AA
R7722	VRS-CY1JF682FY	J	6.8k 1/16W Metal Oxide	AA
R7723	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7724	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7725	VRS-CY1JF332FY	J	3.3k 1/16W Metal Oxide	AA
R7729	VRS-TV1JD000JY	J	0 1/10W Metal Oxide	AA
R7730	VRS-TV1JD000JY	J	0 1/10W Metal Oxide	AA
R7731	VRS-TV1JD000JY	J	0 1/10W Metal Oxide	AA
R7732	VRS-TV1JD000JY	J	0 1/10W Metal Oxide	AA
R7733	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R7734	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7735	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
FB2001	RBLN-0006TAZZY	J	Ferrite Bead	AB
FB2002	RBLN-0050TAZZY	J	Ferrite Bead	AA
FB2003	RBLN-A005WJZZY	J	Ferrite Bead	AA
FB2004	RBLN-A005WJZZY	J	Ferrite Bead	AA
FB2005	RBLN-A005WJZZY	J	Ferrite Bead	AA
FB2006	RBLN-A005WJZZY	J	Ferrite Bead	AA
FB2007	RBLN-A005WJZZY	J	Ferrite Bead	AA
FB2008	RBLN-A005WJZZY	J	Ferrite Bead	AA
FB2009	RBLN-A005WJZZY	J	Ferrite Bead	AA
FB2010	RBLN-A005WJZZY	J	Ferrite Bead	AA
FB2011	RBLN-A005WJZZY	J	Ferrite Bead	AA
FB2012	RBLN-A005WJZZY	J	Ferrite Bead	AA
FB2013	RBLN-A005WJZZY	J	Ferrite Bead	AA
FB2014	RBLN-A005WJZZY	J	Ferrite Bead	AA
FB2015	RBLN-A005WJZZY	J	Ferrite Bead	AA
FB2016	RBLN-A005WJZZY	J	Ferrite Bead	AA
FB2017	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB2018	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB2019	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB2020	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB2021	RBLN-A005WJZZY	J	Ferrite Bead	AA
FB2022	RBLN-A005WJZZY	J	Ferrite Bead	AA
FB2023	RBLN-A005WJZZY	J	Ferrite Bead	AA
FB2201	RBLN-0006TAZZY	J	Ferrite Bead	AB
FB2203	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB2204	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB2205	RBLN-0006TAZZY	J	Ferrite Bead	AB
FB2206	RBLN-0006TAZZY	J	Ferrite Bead	AB
FB2207	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB2208	RBLN-0006TAZZY	J	Ferrite Bead	AB
FB2209	RBLN-0006TAZZY	J	Ferrite Bead	AB
FB2211	RBLN-A005WJZZY	J	Ferrite Bead	AA
FB2212	RBLN-A005WJZZY	J	Ferrite Bead	AA
FB4101	RBLN-0252TAZZY	J	Ferrite Bead	AA
FB4102	RBLN-0252TAZZY	J	Ferrite Bead	AA
FB4501	RBLN-0095CEZZY	J	Ferrite Bead	AD
FB4502	RBLN-A022WJZZY	J	Ferrite Bead	AA
FB4601	RBLN-A005WJZZY	J	Ferrite Bead	AA
FB4602	RBLN-A005WJZZY	J	Ferrite Bead	AA
FB4701	RBLN-0095CEZZY	J	Ferrite Bead	AD
FB4702	RBLN-0095CEZZY	J	Ferrite Bead	AD
FB4901	RBLN-0095CEZZY	J	Ferrite Bead	AD
FB4902	RBLN-0095CEZZY	J	Ferrite Bead	AD
FB7705	RBLN-A005WJZZY	J	Ferrite Bead	AA
FB7706	RBLN-0252TAZZY	J	Ferrite Bead	AA
FB7707	RBLN-0252TAZZY	J	Ferrite Bead	AA
FB7708	RBLN-0252TAZZY	J	Ferrite Bead	AA
FB7709	RBLN-A005WJZZY	J	Ferrite Bead	AA
FB7710	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB7711	RBLN-A005WJZZY	J	Ferrite Bead	AA
FB7712	RBLN-A005WJZZY	J	Ferrite Bead	AA
FB7713	RBLN-A005WJZZY	J	Ferrite Bead	AA
FB7714	RBLN-A005WJZZY	J	Ferrite Bead	AA
FB7715	RBLN-A005WJZZY	J	Ferrite Bead	AA
FB7716	RBLN-A005WJZZY	J	Ferrite Bead	AA
FB7717	RBLN-A005WJZZY	J	Ferrite Bead	AA
FB7718	RBLN-A005WJZZY	J	Ferrite Bead	AA
FB7719	RBLN-A005WJZZY	J	Ferrite Bead	AA
J2201	QSOCDA016WJZZ	J	System Cable Terminal	AG
P2001	QPLGN0548FJZZY	J	Plug, 11-pin	AE
P2002	QPLGNA059WJZZ	J	Plug, 5-pin(KM)	AC
P2003	QPLGNA064WJZZ	J	Plug, 10-pin(AM)	AD
P2004	QPLGNA062WJZZ	J	Plug, 8-pin(RM)	AC
P2005	QPLGNA059WJZZ	J	Plug, 5-pin(MA)	AC
P7704	QPLGNA059WJZZ	J	Plug, 5-pin(BL)	AC
P7705	QPLGNA060WJZZ	J	Plug, 6-pin(BR)	AC
P7707	QPLGNA061WJZZ	J	Plug, 7-pin	AC
SC2201	QSOCZA017WJZZ	J	System Cable Terminal	AM
SC2202	QSOCZ2015CEZZ	J	System Cable Terminal	AG
SC4101	QSOCN0684FJZZY	J	Socket, 30-pin	AF
SC4102	QSOCN0684FJZZY	J	Socket, 30-pin	AF
SC4601	QSOCN0687FJZZY	J	Socket, 50-pin	AF
SC4602	QSOCN0687FJZZY	J	Socket, 50-pin	AF
SC4603	QSOCN0688FJZZY	J	Socket, 53-pin	AF
SC4604	QSOCN0688FJZZY	J	Socket, 53-pin	AF
TP2235	QLUGHA001WJZZY	J	Lug	AD
TP2236	QLUGHA001WJZZY	J	Lug	AD
TP2237	QLUGHA001WJZZY	J	Lug	AD
TP2238	QLUGHA001WJZZY	J	Lug	AD
TP2239	QLUGHA001WJZZY	J	Lug	AD
TP2240	QLUGHA001WJZZY	J	Lug	AD
TP2241	QLUGHA001WJZZY	J	Lug	AD
TP2242	QLUGHA001WJZZY	J	Lug	AD
TP2243	QLUGHA001WJZZY	J	Lug	AD
	PSLDMA243WJFN	J	Panel Link Shield	AK
	QCNW-B579WJQZ	J	Connecting Cord	AK
	QCNW-B584WJQZ	J	Connecting Cord	AK
	QCNW-B590WJQZ	J	Connecting Cord	AH
	GCOVAA465WJKA	J	Panel Link Cover	AH
	NSFTZ0134CEFW	J	Shaft Screw, x2	AD
	LX-BZ3434CEFN	J	Screw, x2	AB
	XHPSN30P08JS0	J	Screw, x2	AB

DUNTKC019DE04
INVERTER-2 UNIT (Display)

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q7551	VS2SC5886++-1Y	J	2SC5886	AE
Q7552	VS2SC5886++-1Y	J	2SC5886	AE
Q7553	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q7554	VS2SC5886++-1Y	J	2SC5886	AE
Q7555	VS2SC5886++-1Y	J	2SC5886	AE
Q7556	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q7557	VS2SC5886++-1Y	J	2SC5886	AE
Q7558	VS2SC5886++-1Y	J	2SC5886	AE
Q7559	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q7560	VSUPA606T//-1Y	J	UPA606T	AD
Q7561	VSUPA606T//-1Y	J	UPA606T	AD
Q7562	VSUPA606T//-1Y	J	UPA606T	AD

DIODES

Ref. No.	Part No.	★	Description	Code
D7551	VHDMA157A//-1Y	J	Diode	AC
D7552	VHDMA157A//-1Y	J	Diode	AC
D7553	VHDDAN222//-1Y	J	Diode	AA
D7554	VHDMA157A//-1Y	J	Diode	AC
D7555	VHDMA157A//-1Y	J	Diode	AC
D7556	VHDDAN222//-1Y	J	Diode	AA
D7557	VHDMA157A//-1Y	J	Diode	AC
D7558	VHDMA157A//-1Y	J	Diode	AC
D7559	VHDDAN222//-1Y	J	Diode	AA
D7560	VHDDAN222//-1Y	J	Diode	AA
D7561	VHDDAN222//-1Y	J	Diode	AA

COILS

Ref. No.	Part No.	★	Description	Code
L7551	RCiLPA034WJZZ	J	Coil	AD
L7552	RCiLPA034WJZZ	J	Coil	AD
L7553	RCiLPA034WJZZ	J	Coil	AD

TRANSFORMER

Ref. No.	Part No.	★	Description	Code
⚠ T7551	RTRNZA020WJZZQ	J	Transformer	AQ
⚠ T7553	RTRNZA018WJZZQ	J	Transformer	AQ
⚠ T7555	RTRNZA018WJZZQ	J	Transformer	AQ

CAPACITORS

Ref. No.	Part No.	★	Description	Code
C7551	RC-FZA108WJZZ	J	0.12 250V Film	AD
C7552	VCKYCY1HB332KY	J	3300p 50V Ceramic	AA
C7553	VCKYCY1HB472KY	J	4700p 50V Ceramic	AA
C7554	RC-EZA210WJZZ	J	1000 25V Electrolytic	AD
C7555	RC-FZA108WJZZ	J	0.12 250V Film	AD
C7556	VCKYCY1HB332KY	J	3300p 50V Ceramic	AA
C7557	VCKYCY1HB472KY	J	4700p 50V Ceramic	AA
C7558	RC-EZA210WJZZ	J	1000 25V Electrolytic	AD
C7559	RC-FZA108WJZZ	J	0.12 250V Film	AD
C7560	VCKYCY1HB332KY	J	3300p 50V Ceramic	AA
C7561	VCKYCY1HB472KY	J	4700p 50V Ceramic	AA
C7562	RC-EZA210WJZZ	J	1000 25V Electrolytic	AD
C7563	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
C7564	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
C7565	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
C7566	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
C7567	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
C7568	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
C7570	VCKYCY1EB333KY	J	0.033 25V Ceramic	AA
C7572	VCKYCY1EB333KY	J	0.033 25V Ceramic	AA
C7574	VCKYCY1EB333KY	J	0.033 25V Ceramic	AA

RESISTORS

Ref. No.	Part No.	★	Description	Code
R7551	VRS-TW2ED122JY	J	1.2k 1/4W Metal Oxide	AA
R7552	VRS-TW2ED122JY	J	1.2k 1/4W Metal Oxide	AA
R7553	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7554	VRS-CY1JF333JY	J	33k 1/16W Metal Oxide	AA
R7555	VRS-TW2ED122JY	J	1.2k 1/4W Metal Oxide	AA
R7556	VRS-TW2ED122JY	J	1.2k 1/4W Metal Oxide	AA
R7557	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7558	VRS-CY1JF333JY	J	33k 1/16W Metal Oxide	AA
R7559	VRS-TW2ED122JY	J	1.2k 1/4W Metal Oxide	AA
R7560	VRS-TW2ED122JY	J	1.2k 1/4W Metal Oxide	AA
R7561	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7562	VRS-CY1JF333JY	J	33k 1/16W Metal Oxide	AA
R7563	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7564	VRS-CY1JF824JY	J	820k 1/16W Metal Oxide	AA
R7565	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7566	VRS-CY1JF824JY	J	820k 1/16W Metal Oxide	AA
R7567	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R7568	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R7569	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7570	VRS-CY1JF824JY	J	820k 1/16W Metal Oxide	AA
R7571	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7572	VRS-CY1JF824JY	J	820k 1/16W Metal Oxide	AA
R7573	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R7574	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R7575	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7576	VRS-CY1JF824JY	J	820k 1/16W Metal Oxide	AA
R7577	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7578	VRS-CY1JF824JY	J	820k 1/16W Metal Oxide	AA
R7579	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R7580	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R7581	VRS-CY1JF563JY	J	56k 1/16W Metal Oxide	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
⚠ F7551	QFS-D0004CEZZ	J	Fuse, 800mA/250V	AE
⚠ F7552	QFS-D0004CEZZ	J	Fuse, 800mA/250V	AE
⚠ F7553	QFS-D0004CEZZ	J	Fuse, 800mA/250V	AE
FH7551	QFSHD1002CEZZ	J	Fuse Holder	AA
FH7552	QFSHD1002CEZZ	J	Fuse Holder	AA
FH7553	QFSHD1002CEZZ	J	Fuse Holder	AA
FH7554	QFSHD1002CEZZ	J	Fuse Holder	AA
FH7555	QFSHD1002CEZZ	J	Fuse Holder	AA
FH7556	QFSHD1002CEZZ	J	Fuse Holder	AA
P7551	QPLGN0155FJZZY	J	Plug, 3-pin	AE
P7552	QPLGN0155FJZZY	J	Plug, 3-pin	AE
P7553	QPLGN0155FJZZY	J	Plug, 3-pin	AE
P7554	QPLGN0268GEZZ	J	Plug, 6-pin	AB
P7555	QSOCZ0630GEZZ	J	Socket	AC
P7556	QLUGHA002WJZZ	J	Lug	AB
P7557	QPLGNA045WJZZ	J	Plug, 6-pin	AC
	QCNW-B585WJQZ	J	Connecting Cord	AK

DUNTKC020DE04
INVERTER-4 UNIT (Display)

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q7641	VS2SC5886++-1Y	J	2SC5886	AE
Q7642	VS2SC5886++-1Y	J	2SC5886	AE
Q7643	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q7644	VS2SC5886++-1Y	J	2SC5886	AE
Q7645	VS2SC5886++-1Y	J	2SC5886	AE
Q7646	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q7647	VS2SC5886++-1Y	J	2SC5886	AE
Q7648	VS2SC5886++-1Y	J	2SC5886	AE
Q7649	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q7650	VSUPA606T//-1Y	J	UPA606T	AD
Q7651	VSUPA606T//-1Y	J	UPA606T	AD
Q7652	VSUPA606T//-1Y	J	UPA606T	AD

DIODES

Ref. No.	Part No.	★	Description	Code
D7641	VHDMA157A//-1Y	J	Diode	AC
D7642	VHDMA157A//-1Y	J	Diode	AC
D7643	VHDDAN222//-1Y	J	Diode	AA
D7644	VHDMA157A//-1Y	J	Diode	AC
D7645	VHDMA157A//-1Y	J	Diode	AC
D7646	VHDDAN222//-1Y	J	Diode	AA
D7647	VHDMA157A//-1Y	J	Diode	AC
D7648	VHDMA157A//-1Y	J	Diode	AC
D7649	VHDDAN222//-1Y	J	Diode	AA
D7650	VHDDAN222//-1Y	J	Diode	AA
D7651	VHDDAN222//-1Y	J	Diode	AA

COILS

Ref. No.	Part No.	★	Description	Code
L7641	RCiLPA034WJZZ	J	Coil	AD
L7642	RCiLPA034WJZZ	J	Coil	AD
L7643	RCiLPA034WJZZ	J	Coil	AD

TRANSFORMER

Ref. No.	Part No.	★	Description	Code
⚠ T7641	RTRNZA020WJZZQ	J	Transformer	AQ
⚠ T7643	RTRNZA018WJZZQ	J	Transformer	AQ
⚠ T7645	RTRNZA018WJZZQ	J	Transformer	AQ

CAPACITORS

Ref. No.	Part No.	★	Description	Code
C7641	RC-FZA108WJZZ	J	0.12 250V Film	AD
C7642	VCKYCY1HB332KY	J	3300p 50V Ceramic	AA
C7643	VCKYCY1HB472KY	J	4700p 50V Ceramic	AA
C7644	RC-EZA210WJZZ	J	1000 25V Electrolytic	AD
C7645	RC-FZA108WJZZ	J	0.12 250V Film	AD
C7646	VCKYCY1HB332KY	J	3300p 50V Ceramic	AA
C7647	VCKYCY1HB472KY	J	4700p 50V Ceramic	AA
C7648	RC-EZA210WJZZ	J	1000 25V Electrolytic	AD
C7649	RC-FZA108WJZZ	J	0.12 250V Film	AD
C7650	VCKYCY1HB332KY	J	3300p 50V Ceramic	AA
C7651	VCKYCY1HB472KY	J	4700p 50V Ceramic	AA
C7652	RC-EZA210WJZZ	J	1000 25V Electrolytic	AD
C7653	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
C7654	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
C7655	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
C7656	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
C7657	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
C7658	RC-KZ0072TAZZY	J	1 25V Ceramic	AC
C7660	VCKYCY1EB333KY	J	0.033 25V Ceramic	AA
C7662	VCKYCY1EB333KY	J	0.033 25V Ceramic	AA
C7664	VCKYCY1EB333KY	J	0.033 25V Ceramic	AA

RESISTORS

Ref. No.	Part No.	★	Description	Code
R7641	VRS-TW2ED122JY	J	1.2k 1/4W Metal Oxide	AA
R7642	VRS-TW2ED122JY	J	1.2k 1/4W Metal Oxide	AA
R7643	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7644	VRS-CY1JF333JY	J	33k 1/16W Metal Oxide	AA
R7645	VRS-TW2ED122JY	J	1.2k 1/4W Metal Oxide	AA
R7646	VRS-TW2ED122JY	J	1.2k 1/4W Metal Oxide	AA
R7647	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7648	VRS-CY1JF333JY	J	33k 1/16W Metal Oxide	AA
R7649	VRS-TW2ED122JY	J	1.2k 1/4W Metal Oxide	AA
R7650	VRS-TW2ED122JY	J	1.2k 1/4W Metal Oxide	AA
R7651	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7652	VRS-CY1JF333JY	J	33k 1/16W Metal Oxide	AA
R7653	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7654	VRS-CY1JF824JY	J	820k 1/16W Metal Oxide	AA
R7655	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7656	VRS-CY1JF824JY	J	820k 1/16W Metal Oxide	AA
R7657	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R7658	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R7659	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7660	VRS-CY1JF824JY	J	820k 1/16W Metal Oxide	AA
R7661	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7662	VRS-CY1JF824JY	J	820k 1/16W Metal Oxide	AA
R7663	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R7664	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R7665	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7666	VRS-CY1JF824JY	J	820k 1/16W Metal Oxide	AA
R7667	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7668	VRS-CY1JF824JY	J	820k 1/16W Metal Oxide	AA
R7669	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R7670	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R7671	VRS-CY1JF563JY	J	56k 1/16W Metal Oxide	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
⚠ F7641	QFS-D0004CEZZ	J	Fuse, 800mA/250V	AE
⚠ F7642	QFS-D0004CEZZ	J	Fuse, 800mA/250V	AE
⚠ F7643	QFS-D0004CEZZ	J	Fuse, 800mA/250V	AE
FH7641	QFSHD1002CEZZ	J	Fuse Holder	AA
FH7642	QFSHD1002CEZZ	J	Fuse Holder	AA
FH7643	QFSHD1002CEZZ	J	Fuse Holder	AA
FH7644	QFSHD1002CEZZ	J	Fuse Holder	AA
FH7645	QFSHD1002CEZZ	J	Fuse Holder	AA
FH7646	QFSHD1002CEZZ	J	Fuse Holder	AA
P7641	QPLGN0155FJZZY	J	Plug, 3-pin	AE
P7642	QPLGN0155FJZZY	J	Plug, 3-pin	AE
P7643	QPLGN0155FJZZY	J	Plug, 3-pin	AE
P7644	QPLGN0268GEZZ	J	Plug, 2-pin	AB
P7645	QSOCZ0630GEZZ	J	Socket, 6-pin	AC
P7647	QPLGN0280GEZZ	J	Plug, 2-pin	AB
P7648	QLUGHA002WJZZ	J	Lug	AB
P7649	QPLGNA045WJZZ	J	Plug, 6-pin	AC
	QCNW-B677WJQZ	J	Connecting Cord	AN

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R/C, LED UNIT (Display)

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC101	VHiTPS850++-1Y	J	TPS850	AG

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q102	VS2SC2712Y/-1Y	J	2SC2712Y	AB
Q103	VS2SC2712Y/-1Y	J	2SC2712Y	AB
Q104	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q105	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q106	VS2SC2712Y/-1Y	J	2SC2712Y	AB

DIODES

Ref. No.	Part No.	★	Description	Code
D101	RH-EXA092WJZZY	J	Zener Diode, 12V	AB
D103	RH-PX0421CEZZY	J	POWER Indicator	AD
D104	RH-PX0421CEZZY	J	OPC Indicator	AD

CAPACITORS

Ref. No.	Part No.	★	Description	Code
C101	VCEASX0JN107MY	J	100 6.3V Electrolytic	AC
C102	VCKYTV1CF225ZY	J	2.2 16V Ceramic	AB
C104	VCEASX1CN106MY	J	10 16V Electrolytic	AC
C105	VCKYCY1HF103ZY	J	0.01 50V Ceramic	AA

RESISTORS

Ref. No.	Part No.	★	Description	Code
R101	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R104	VRS-CY1JF273JY	J	27k 1/16W Metal Oxide	AA
R105	VRS-CY1JF393JY	J	39k 1/16W Metal Oxide	AA
R106	VRS-CY1JF683JY	J	68k 1/16W Metal Oxide	AA
R108	VRS-CY1JF331JY	J	330 1/16W Metal Oxide	AA
R109	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R113	VRS-CY1JF331JY	J	330 1/16W Metal Oxide	AA
R115	VRS-CY1JF273JY	J	27k 1/16W Metal Oxide	AA
R117	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
P101	QPLGN0874TAZZY	J	Plug, 8-pin	AD
RMC101	RRMCU0239CEZZ	J	Remote Receiver	AG
SLD101	PSLDM4646CEFW	J	Shield	AD
	QCNW-B580WJPZ	J	Connecting Cord	AM

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KEY UNIT (Display)

DIODES

Ref. No.	Part No.	★	Description	Code
D151	RH-EXA092WJZZY	J	Zener Diode, 12V	AB
D152	RH-EXA092WJZZY	J	Zener Diode, 12V	AB
D153	RH-EXA092WJZZY	J	Zener Diode, 12V	AB

RESISTORS

Ref. No.	Part No.	★	Description	Code
R151	VRS-CY1JF822JY	J	8.2k 1/16W Metal Oxide	AA
R152	VRS-CY1JF123JY	J	12k 1/16W Metal Oxide	AA
R153	VRS-CY1JF822JY	J	8.2k 1/16W Metal Oxide	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
S151	QSW-K0095CEZZ	J	CH(∨)	AB
S152	QSW-K0095CEZZ	J	CH(∧)	AB
S153	QSW-K0095CEZZ	J	INPUT	AB
S154	QSW-K0095CEZZ	J	VOL(+)	AB
S155	QSW-K0095CEZZ	J	VOL(–)	AB
S156	QSW-K0095CEZZ	J	POWER	AB
S157	QSW-P0591CEZZ	J	MAIN POWER	AQ
P151	QPLGN0564TAZZY	J	Plug, 5-pin	AC
P153	QPLGNA007WJZZ	J	Plug, 10-pin	AE
	QCNW-B223WJZZ	J	Connecting Cord	AM
	QCNW-B581WJQZ	J	Connecting Cord	AG

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AUDIO UNIT (Display)

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC3803	VHiTA8184F/-1Y	J	TA8184F	AL
IC3804	VHiM62392FP-1Y	J	M62392FP	AM
IC3805	VHiPST529DM-1Y	J	PST529DMT	AE
IC3808	VHiNJM4565M-1Y	J	NJM4565M	AE
IC3812	VHiBA09T/FP-1Y	J	BA09FP-E2	AG
IC3816	VHiBA05SFP+-1Y	J	BA05SFP-E2	AG

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q3801	VS2SA1530AR-1Y	J	SA1530AR	AB
Q3802	VS2SA1530AR-1Y	J	SA1530AR	AB
Q3803	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q3804	VSDTC314TK/-1Y	J	DTC314TK	AC
Q3805	VSDTC314TK/-1Y	J	DTC314TK	AC
Q3806	VSDTC144EE/-1Y	J	DTC144EE	AA
Q3807	VSDTC144EE/-1Y	J	DTC144EE	AA
Q3808	VSDTC144EE/-1Y	J	DTC144EE	AA
Q3901	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q3902	VS2SC3928AR-1Y	J	2SC3928AR	AB

DIODES

Ref. No.	Part No.	★	Description	Code
D3801	VHDHSU119//-1Y	J	Diode	AB
D3802	VHDHSU119//-1Y	J	Diode	AB
D3803	VHDDAN222//-1Y	J	Diode	AA
D3804	RH-PX0421CEZZY	J	Photodiode	AD
D3805	RH-PX0421CEZZY	J	Photodiode	AD
D3806	VHDHSU119//-1Y	J	Diode	AB
D3807	VHDHSU119//-1Y	J	Diode	AB
D3901	VHDHSU119//-1Y	J	Diode	AB
D3902	VHDHSU119//-1Y	J	Diode	AB

COIL

Ref. No.	Part No.	★	Description	Code
L3801	VP-1M100J1R6NY	J	Peaking 10µH	AB

CAPACITORS

Ref. No.	Part No.	★	Description	Code
C3804	VCKYTV1CB224KY	J	0.22 16V Ceramic	AB
C3805	VCEASX1HN475MY	J	4.7 50V Electrolytic	AC
C3806	VCEASX1HN475MY	J	4.7 50V Electrolytic	AC
C3807	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C3808	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C3809	VCKYCY1HB822KY	J	8200p 50V Ceramic	AB
C3810	VCKYCY1HB822KY	J	8200p 50V Ceramic	AB
C3811	VCKYCY1AB334KY	J	0.33 10V Ceramic	AB
C3812	VCKYCY1AB334KY	J	0.33 10V Ceramic	AB
C3813	VCKYTV1CB224KY	J	0.22 16V Ceramic	AB
C3814	VCEASX1HN106MY	J	10 50V Electrolytic	AC
C3815	VCEASX1HN106MY	J	10 50V Electrolytic	AC
C3816	VCEASX1HN106MY	J	10 50V Electrolytic	AC
C3817	VCEASX1HN106MY	J	10 50V Electrolytic	AC
C3818	VCEASX1CN476MY	J	47 16V Electrolytic	AC
C3819	VCEASX1HN105MY	J	1 50V Electrolytic	AB
C3820	RC-KZ1025CEZZY	J	1 50V Ceramic	AB
C3821	VCKYCY1EB473KY	J	0.047 25V Ceramic	AA
C3822	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C3823	RC-KZ1025CEZZY	J	1 50V Ceramic	AB
C3824	VCEASX1HN225MY	J	2.2 50V Electrolytic	AB
C3825	VCEASX1HN225MY	J	2.2 50V Electrolytic	AB
C3826	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C3827	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C3828	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C3829	VCEASW1EN476MY	J	47 25V Electrolytic	AC
C3830	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C3831	VCEASW0JN227MY	J	220 6.3V Electrolytic	AC
C3832	VCCCCY1HH330JY	J	33p 50V Ceramic	AA
C3833	VCCCCY1HH330JY	J	33p 50V Ceramic	AA
C3834	VCEASX1CN107MY	J	100 16V Electrolytic	AC
C3835	RC-KZ0117TAZZY	J	1 50V Ceramic	AD
C3838	VCEASX1HN225MY	J	2.2 50V Electrolytic	AB
C3839	VCEASX1HN225MY	J	2.2 50V Electrolytic	AB
C3840	VCEASX1CN106MY	J	10 16V Electrolytic	AC
C3841	VCKYCY1HF223ZY	J	0.022 50V Ceramic	AB
C3842	VCKYCY1HF223ZY	J	0.022 50V Ceramic	AB
C3843	VCEASX1CN476MY	J	47 16V Electrolytic	AC
C3844	VCEASX1CN106MY	J	10 16V Electrolytic	AC
C3845	VCEASX1HN225MY	J	2.2 50V Electrolytic	AB
C3846	VCEASX1HN225MY	J	2.2 50V Electrolytic	AB
C3847	VCEASX1CN106MY	J	10 16V Electrolytic	AC
C3848	VCKYCY1CF104ZY	J	0.1 16V Ceramic	AA
C3850	VCEASW1EN227MY	J	220 25V Electrolytic	AD
C3852	VCEASX1VN227MY	J	220 35V Electrolytic	AD
C3853	RC-KZ1025CEZZY	J	1 50V Ceramic	AB
C3854	VCEASW1EN337MY	J	330 25V Electrolytic	AD
C3855	VCEASW1CN477MY	J	470 16V Electrolytic	AD
C3876	VCEASX1CN476MY	J	47 16V Electrolytic	AC
C3881	VCEASX1CN106MY	J	10 16V Electrolytic	AC
C3885	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C3886	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C3901	VCCCCY1HH151JY	J	150p 50V Ceramic	AA
C3902	VCCCCY1HH151JY	J	150p 50V Ceramic	AA
C3903	VCKYCY1CF224ZY	J	0.22 16V Ceramic	AB
C3904	VCCCCY1HH151JY	J	150p 50V Ceramic	AA
C3905	VCCCCY1HH151JY	J	150p 50V Ceramic	AA
C3906	VCCCCY1HH151JY	J	150p 50V Ceramic	AA
C3907	VCCCCY1HH151JY	J	150p 50V Ceramic	AA
C3908	VCKYCY1CF224ZY	J	0.22 16V Ceramic	AB
C3909	VCKYCY1HF223ZY	J	0.022 50V Ceramic	AB
C3910	VCKYCY1HF223ZY	J	0.022 50V Ceramic	AB

RESISTORS

Ref. No.	Part No.	★	Description	Code
R3801	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R3803	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R3804	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R3807	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R3808	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R3809	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R3810	VRS-CY1JF332JY	J	3.3k 1/16W Metal Oxide	AA
R3811	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R3812	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R3813	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R3814	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R3815	VRS-CY1JF332JY	J	3.3k 1/16W Metal Oxide	AA
R3816	VRS-CY1JF153JY	J	15k 1/16W Metal Oxide	AA
R3817	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R3818	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R3819	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R3821	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R3823	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R3824	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R3825	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R3826	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R3827	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R3828	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R3829	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R3830	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R3831	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R3832	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R3833	VRS-CY1JF154JY	J	150k 1/16W Metal Oxide	AA
R3834	VRS-CY1JF154JY	J	150k 1/16W Metal Oxide	AA
R3837	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R3839	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R3840	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R3841	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R3842	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R3844	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R3845	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R3846	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R3847	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R3848	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R3849	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R3850	VRS-TV1JD181FY	J	180 1/10W Metal Oxide	AA
R3851	VRS-TV1JD181FY	J	180 1/10W Metal Oxide	AA
R3852	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R3853	VRS-TV1JD181FY	J	180 1/10W Metal Oxide	AA
R3854	VRS-CY1JF471JY	J	470 1/16W Metal Oxide	AA
R3855	VRS-CY1JF471JY	J	470 1/16W Metal Oxide	AA
R3856	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA

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AUDIO UNIT (Display) (Continued)

Ref. No.	Part No.	★	Description	Code
R3861	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R3862	VRS-TW2ED000JY	J	0 1/4W Metal Oxide	AB
R3901	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R3902	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R3903	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R3904	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R3905	VRS-TW2ED101JY	J	100 1/4W Metal Oxide	AA
R3906	VRS-TW2ED101JY	J	100 1/4W Metal Oxide	AA
R3907	VRS-TW2ED101JY	J	100 1/4W Metal Oxide	AA
R3908	VRS-TW2ED101JY	J	100 1/4W Metal Oxide	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
RY3801	RRLYDA004WJZZ	J	Relay	AN
RY3901	RRLYDA002WJZZY	J	Relay	AK
RY3902	RRLYDA002WJZZY	J	Relay	AK
P3801	QPLGN0368GEZZ	J	Plug, 3-pin	AB
P3803	QPLGN1558REZZY	J	Plug, 15-pin	AD
P3804	QPLGNA049WJZZ	J	Plug, 10-pin	AD
P3903	QPLGN0858REZZY	J	Plug, 8-pin	AD
P3905	QPLGNA044WJZZ	J	Plug, 5-pin	AC
P3906	QPLGNA043WJZZ	J	Plug, 4-pin	AB
TP3801	QLUGHA001WJZZY	J	Lug	AD
TP3802	QLUGHA002WJZZ	J	Lug	AB
TP3803	QLUGHA001WJZZY	J	Lug	AD
TP3804	QLUGHA002WJZZ	J	Lug	AB
	QCNW-B587WJQZ	J	Connecting Cord	AH
	QCNW-B593WJQZ	J	Connecting Cord	AD
	QCNW-B841WJQZ	J	Connecting Cord	AH
	QCNW-C090WJZZ	J	Connecting Cord	AQ

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SPEAKER JACK UNIT (Display)

DIODES

Ref. No.	Part No.	★	Description	Code
D201	RH-EX1283CEZZY	J	Zener Diode, 18V	AB
D202	RH-EX1283CEZZY	J	Zener Diode, 18V	AB
D203	RH-EX1283CEZZY	J	Zener Diode, 18V	AB
D204	RH-EX1283CEZZY	J	Zener Diode, 18V	AB

CAPACITORS

Ref. No.	Part No.	★	Description	Code
C201	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C202	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C203	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C204	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C205	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C206	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
FB201	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB202	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB203	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB204	RBLN-0210TAZZY	J	Ferrite Bead	AB
J201	QJAKFA020WJZZ	J	Speaker Plug	AE
P201	QPLGNA043WJZZ	J	Plug, 4-pin(SC)	AB
TP201	QLUGHA002WJZZ	J	Lug	AB
	QCNW-B591WJQZ	J	Connecting Cord	AK

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THERMISTOR UNIT (Display)

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
TH6301	VHHM1103J03-1Y	J	Thermistor	AC
P6301	QPLGN0280GEZZ	J	Plug, 2-pin	AB
TP6301	QLUGHA001WJZZY	J	Lug	AD
TP6302	QLUGHA001WJZZY	J	Lug	AD

RDENCA032WJZZ
POWER UNIT (Display)

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC2701	95C0H1151AS001	J	MIP0255SPSCF	AV
IC2781	95C0H1Q3A0010	J	TA76431	AQ
IC3701	95C0H1Q5A0010	J	MC33262	AT
IC3702	95C0H1Q3A0010	J	TA76431	AQ
IC3781	95C0H1Q3A0010	J	TA76431	AQ
IC4701	95C0H1Q5A0010	J	MC33262	AT
IC4702	95C0H1Q3A0010	J	TA76431	AQ
IC4781	95C0H1Q3A0010	J	TA76431	AQ

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q2701	95C0T191A0040	J	2SA1162	AE
Q2702	95C0T391A0050	J	2SC2712	AF
Q2703	95C0T391A0050	J	2SC2712	AF
Q2704	95C0T190A0020	J	2SA1313	AH
Q2781	95C0T391A0050	J	2SC2712	AF
Q3701	95C0T190A0020	J	2SA1313	AH
Q3702	95C0T390A0020	J	2SC3325	AK
Q3703	95C0T604B0020	J	2SK3326	AQ
Q3704	95C0T604B0020	J	2SK3326	AQ
Q3705	95C0T604B0020	J	2SK3326	AQ
Q3706	95C0T604B0020	J	2SK3326	AQ
Q3707	95C0T395A0020	J	2SC4097	AL
Q3708	95C0T395A0020	J	2SC4097	AL
Q3709	95C0T395A0020	J	2SC4097	AL
Q3710	95C0T395A0020	J	2SC4097	AL
Q3711	95C0T191A0040	J	2SA1162	AE
Q3712	95C0T395A0020	J	2SC4097	AL
Q3713	95C0T155A0010	J	2SA1584	
Q3714	95C0T418A0010	J	2SD1350A	AP
Q4701	95C0T190A0020	J	2SA1313	AH
Q4702	95C0T390A0020	J	2SC3325	AK
Q4703	95C0T604B0020	J	2SK3326	AQ
Q4704	95C0T604B0020	J	2SK3326	AQ
Q4705	95C0T604B0020	J	2SK3326	AQ
Q4706	95C0T604B0020	J	2SK3326	AQ
Q4707	95C0T395A0020	J	2SC4097	AL
Q4708	95C0T395A0020	J	2SC4097	AL
Q4709	95C0T395A0020	J	2SC4097	AL
Q4710	95C0T395A0020	J	2SC4097	AL
Q4711	95C0T191A0040	J	2SA1162	AE
Q4712	95C0T395A0020	J	2SC4097	AL
Q4713	95C0T155A0010	J	2SA1584	
Q4714	95C0T418A0010	J	2SD1350A	AP

DIODES

Ref. No.	Part No.	★	Description	Code
⚠ D2701	95C0D156A0060	J	Diode	AF
D2702	95C0D295A0080	J	Diode	AE
D2703	95C0D295A0080	J	Diode	AE
D2704	95C0D295A0080	J	Diode	AE
D2705	95C0D491A0270	J	Zener Diode	AF
D2706	95C0D491A0270	J	Zener Diode	AF
D2707	95C0D295A0080	J	Diode	AE
D2708	95C0D265A0020	J	Diode	AL
D2709	95C0D265A0020	J	Diode	AL
D2710	95C0D267A0100	J	Diode	AM
D2720	95C0D492A0070	J	Zener Diode	AK
D2781	95C0D205B0060	J	Diode	AM
D2782	95C0D295A0080	J	Diode	AE
D2783	95C0D492A0010	J	Zener Diode	AE
⚠ D3701	95C0D114A6040	J	Diode	AV
D3702	95C0D223B0060	J	Diode	AW
D3703	95C0D295A0080	J	Diode	AE
D3704	95C0D295A0080	J	Diode	AE
D3705	95C0D492A0040	J	Zener Diode	AE
D3706	95C0D492A0070	J	Zener Diode	AK
D3708	95C0D295A0080	J	Diode	AE
D3709	95C0D295A0080	J	Diode	AE
D3710	95C0D295A0080	J	Diode	AE
D3711	95C0D492A0040	J	Zener Diode	AE
D3712	95C0D295A0080	J	Diode	AE

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POWER UNIT (Display) (Continued)

Ref. No.	Part No.	★	Description	Code
D3713	95C0D295A0080	J	Diode	AE
D3714	95C0D295A0080	J	Diode	AE
D3715	95C0D295A0080	J	Diode	AE
D3717	95C0D295A0080	J	Diode	AE
D3781	95C0D2027BQ006	J	Diode	AP
D3782	95C0D2027BQ006	J	Diode	AP
D3783	95C0D2027BQ006	J	Diode	AP
D3785	95C0D491A0240	J	Zener Diode	AF
D3786	95C0D295A0080	J	Diode	AE
D3787	95C0D295A0080	J	Diode	AE
D3788	95C0D491A0050	J	Zener Diode	AF
⚠ D4701	95C0D114A6040	J	Diode	AV
D4702	95C0D223B0060	J	Diode	AW
D4703	95C0D295A0080	J	Diode	AE
D4704	95C0D295A0080	J	Diode	AE
D4705	95C0D492A0040	J	Zener Diode	AE
D4706	95C0D492A0070	J	Zener Diode	AK
D4708	95C0D295A0080	J	Diode	AE
D4709	95C0D295A0080	J	Diode	AE
D4710	95C0D295A0080	J	Diode	AE
D4711	95C0D492A0040	J	Zener Diode	AE
D4712	95C0D295A0080	J	Diode	AE
D4713	95C0D295A0080	J	Diode	AE
D4714	95C0D295A0080	J	Diode	AE
D4715	95C0D295A0080	J	Diode	AE
D4717	95C0D295A0080	J	Diode	AE
D4781	95C0D2027BQ006	J	Diode	AP
D4782	95C0D2027BQ006	J	Diode	AP
D4783	95C0D2027BQ006	J	Diode	AP
D4785	95C0D491A0240	J	Zener Diode	AF
D4786	95C0D295A0080	J	Diode	AE
D4787	95C0D295A0080	J	Diode	AE
D4788	95C0D491A0050	J	Zener Diode	AF
⚠ Z2701	95C0D758A4710	J	Sarge, ENC471	AK
NTC2701	95C0D759A4R00	J	Thermistor	AK
NTC2702	95C0D759A4R00	J	Thermistor	AK

COILS

Ref. No.	Part No.	★	Description	Code
⚠ L2701	95CL1023RQ4520	J	Inductor, FK-060E-4520H2	AU
⚠ L2702	95CL1023RQ4520	J	Inductor, FK-060E-4520H2	AU
⚠ L3701	95C0L109R1310	J	Inductor, SK-08MS-67Y	AQ
⚠ L3702	95C0L1000MS004	J	Inductor, 1MS004	BB
⚠ L4701	95C0L109R1310	J	Inductor, SK-08MS-67Y	AQ
⚠ L4702	95C0L1000MS004	J	Inductor, 1MS004	BB

TRANSFORMERS

Ref. No.	Part No.	★	Description	Code
⚠ T2701	95C0L2000BS019	J	Transformer, 2B019	AW
⚠ T3701	95C0L2000MS011	J	Transformer, 2MS011	BD
⚠ T4701	95C0L2000MS011	J	Transformer, 2MS011	BD

PHOTO COUPLERS

Ref. No.	Part No.	★	Description	Code
⚠ PC2701	95C0H7138AS001	J	Photo Coupler, PC123Y82	AH
⚠ PC2702	95C0H7138AS001	J	Photo Coupler, PC123Y82	AH
⚠ PC3701	95C0H7138AS001	J	Photo Coupler, PC123Y82	AH
⚠ PC3702	95C0H7138AS001	J	Photo Coupler, PC123Y82	AH
⚠ PC4701	95C0H7138AS001	J	Photo Coupler, PC123Y82	AH
⚠ PC4702	95C0H7138AS001	J	Photo Coupler, PC123Y82	AH

CAPACITORS

Ref. No.	Part No.	★	Description	Code
⚠ C2701	95C0C245Q4740	J	0.47 AC250V Film	AS
⚠ C2704	95C0C176Q2220	J	2200p AC250V Ceramic	AE
C2705	95C0C176Q2220	J	2200p AC250V Ceramic	AE
⚠ C2706	95C0C245Q4740	J	0.47 AC250V Film	AS
C2710	95C0C195E1040	J	0.1 50V Ceramic	AF
C2711	95C0C195B4740	J	0.47 16V Ceramic	AD
C2712	95C0C3105MR10	J	10 400V Electrolytic	AL
C2713	95C0C3105MR10	J	10 400V Electrolytic	AL
C2714	95C0C195E1040	J	0.1 50V Ceramic	AF
C2715	95C0C374E5600	J	56 50V Electrolytic	AF
C2716	95C0C1A9R1020	J	1000p 1kV Ceramic	AK
⚠ C2717	95C0C176Q1020	J	1000p AC250V Ceramic	
⚠ C2719	95C0C176Q2220	J	2200p AC250V Ceramic	AE
⚠ C2721	95C0C176Q1020	J	1000p AC250V Ceramic	
C2781	95C0C3A0D3310	J	330 35V Electrolytic	AM
C2783	95C0C195E1040	J	0.1 50V Ceramic	AF
C2784	95C0C3A0D3310	J	330 35V Electrolytic	AM
C2785	95C0C195E1030	J	0.01 50V Ceramic	AC
C3701	95C0C176Q1020	J	1000p AC250V Ceramic	
C3702	95C0C247M2240	J	0.22 450V Film	AN
C3703	95C0C247M2240	J	0.22 450V Film	AN
C3704	95C0C247M2240	J	0.22 450V Film	AN
C3705	95C0C194E1020	J	1000p 50V Ceramic	AK
C3706	95C0C157R4710	J	470p 1kV Ceramic	
C3707	95C0C342M8200	J	82 450V Electrolytic	AV
C3708	95C0C194E2220	J	2200p 50V Ceramic	AE
C3709	95C0C194E1010	J	100p 50V Ceramic	AC
C3710	95C0C247M2240	J	0.22 450V Film	AN
C3711	95C0C194E1020	J	1000p 50V Ceramic	AK
C3712	95C0C195E1040	J	0.1 50V Ceramic	AF
C3713	95C0C195E1030	J	0.01 50V Ceramic	AC
C3714	95C0C195E1040	J	0.1 50V Ceramic	AF
C3715	95C0C195E1040	J	0.1 50V Ceramic	AF
C3716	95C0C195E1040	J	0.1 50V Ceramic	AF
C3717	95C0C194E1020	J	1000p 50V Ceramic	AK
C3718	95C0C195E1030	J	0.01 50V Ceramic	AC
C3721	95C0C193A4720	J	4700p 50V Ceramic	AM
C3722	95C0C195E1030	J	0.01 50V Ceramic	AC
C3723	95C0C195E1030	J	0.01 50V Ceramic	AC
C3725	95C0C194E1010	J	100p 50V Ceramic	AC
C3726	95C0C193A4720	J	4700p 50V Ceramic	AM
C3727	95C0C195E1030	J	0.01 50V Ceramic	AC
C3728	95C0C195E1030	J	0.01 50V Ceramic	AC
C3729	95C0C176Q1020	J	1000p AC250V Ceramic	
C3731	95C0C157R1010	J	100p 1kV Ceramic	AK
C3736	95C0C195E1030	J	0.01 50V Ceramic	AC
C3740	95C0C1A9R2210	J	220p 1kV Ceramic	
C3781	95C0C1A9R1020	J	1000p 1kV Ceramic	AK
C3782	95C0C3A0D3310	J	330 35V Electrolytic	AM
C3783	95C0C3A0D3310	J	330 35V Electrolytic	AM
C3784	95C0C3A0D3310	J	330 35V Electrolytic	AM
C3785	95C0C195E1040	J	0.1 50V Ceramic	AF
C3786	95C0C195E1030	J	0.01 50V Ceramic	AC
C4701	95C0C176Q1020	J	1000p AC250V Ceramic	
C4702	95C0C247M2240	J	0.22 450V Film	AN
C4703	95C0C247M2240	J	0.22 450V Film	AN
C4704	95C0C247M2240	J	0.22 450V Film	AN
C4705	95C0C194E1020	J	1000p 50V Ceramic	AK
C4706	95C0C157R4710	J	470p 1kV Ceramic	
C4707	95C0C342M8200	J	82 450V Electrolytic	AV
C4708	95C0C194E2220	J	2200p 50V Ceramic	AE
C4709	95C0C194E1010	J	100p 50V Ceramic	AC
C4710	95C0C247M2240	J	0.22 450V Film	AN
C4711	95C0C194E1020	J	1000p 50V Ceramic	AK
C4712	95C0C195E1040	J	0.1 50V Ceramic	AF
C4713	95C0C195E1030	J	0.01 50V Ceramic	AC
C4714	95C0C195E1040	J	0.1 50V Ceramic	AF
C4715	95C0C195E1040	J	0.1 50V Ceramic	AF
C4716	95C0C195E1040	J	0.1 50V Ceramic	AF
C4717	95C0C194E1020	J	1000p 50V Ceramic	AK
C4718	95C0C195E1030	J	0.01 50V Ceramic	AC
C4721	95C0C193A4720	J	4700p 50V Ceramic	AM
C4722	95C0C195E1030	J	0.01 50V Ceramic	AC
C4723	95C0C195E1030	J	0.01 50V Ceramic	AC
C4725	95C0C194E1010	J	100p 50V Ceramic	AC
C4726	95C0C193A4720	J	4700p 50V Ceramic	AM
C4727	95C0C195E1030	J	0.01 50V Ceramic	AC
C4728	95C0C195E1030	J	0.01 50V Ceramic	AC
C4729	95C0C176Q1020	J	1000p AC250V Ceramic	
C4731	95C0C157R1010	J	100p 1kV Ceramic	AK
C4736	95C0C195E1030	J	0.01 50V Ceramic	AC
C4740	95C0C1A9R2210	J	220p 1kV Ceramic	AF
C4781	95C0C1A9R1020	J	1000p 1kV Ceramic	AK
C4782	95C0C3A0D3310	J	330 35V Electrolytic	AM
C4783	95C0C3A0D3310	J	330 35V Electrolytic	AM
C4784	95C0C3A0D3310	J	330 35V Electrolytic	AM
C4785	95C0C195E1040	J	0.1 50V Ceramic	AF

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Ref. No.	Part No.	★	Description	Code
C4786	95C0C195E1030	J	0.01 50V Ceramic	AC

RESISTORS

Ref. No.	Part No.	★	Description	Code
R2701	95C0R390T8230	J	82k 1/4W Metal Oxide	AC
R2702	95C0R390T8230	J	82k 1/4W Metal Oxide	AC
R2703	95C0R390T8230	J	82k 1/4W Metal Oxide	AC
R2704	95C0R3Q0V4730	J	47k 1/8W Metal Oxide	AH
R2705	95C0R3Q0V4730	J	47k 1/8W Metal Oxide	AH
R2706	95C0R3Q0V2220	J	2.2k 1/8W Metal Oxide	AB
R2707	95C0R3Q0V1030	J	10k 1/8W Metal Oxide	AB
R2708	95C0R3Q0V4720	J	4.7k 1/8W Metal Oxide	AB
R2709	95C0R3Q0V2230	J	22k 1/8W Metal Oxide	AB
R2710	95C0R390T1530	J	15k 1/4W Metal Oxide	AB
R2711	95C0R3Q0V4710	J	470 1/8W Metal Oxide	AB
R2712	95C0R451C1040	J	100k 1W Metal Oxide	AD
R2713	95CR3079CQ395	J	3.9M 1W	AH
R2714	95CR3079CQ395	J	3.9M 1W	AH
R2720	95C0R3Q0V1000	J	10 1/8W Metal Oxide	AB
R2781	95C0R3Q0V1010	J	100 1/8W Metal Oxide	AF
R2782	95C0R3Q0V1020	J	1k 1/8W Metal Oxide	AB
R2783	95C0R3Q0V8210	J	820 1/8W Metal Oxide	AB
R2785	95C0R3Q3V5600	J	56 1/10W Metal Oxide	AC
R2786	95C0R3Q3V4720	J	4.7k 1/10W Metal Oxide	AC
R2787	95C0R3Q3V3320	J	3.3k 1/10W Metal Oxide	AC
R2788	95C0R3Q0V4710	J	470 1/8W Metal Oxide	AB
R2789	95C0R3Q0V2220	J	2.2k 1/8W Metal Oxide	AB
R2790	95C0R3Q0V6820	J	6.8k 1/8W Metal Oxide	AF
R2791	95C0R3Q0V1030	J	10k 1/8W Metal Oxide	AB
R3701	95C0R391T4740	J	470k 1/4W Metal Oxide	AH
R3702	95C0R391T4740	J	470k 1/4W Metal Oxide	AH
R3703	95C0R390T3340	J	330k 1/4W Metal Oxide	AC
R3704	95C0R390T1000	J	10 1/4W Metal Oxide	AC
R3705	95C0R3Q0V3310	J	330 1/8W Metal Oxide	AB
R3706	95C0R3Q0V2230	J	22k 1/8W Metal Oxide	AB
R3707	95C0R3Q0V8220	J	8.2k 1/8W Metal Oxide	AB
R3708	95C0R3Q0V8220	J	8.2k 1/8W Metal Oxide	AB
R3709	95C0R3Q0V1000	J	10 1/8W Metal Oxide	AB
R3710	95C0R3Q0V1000	J	10 1/8W Metal Oxide	AB
R3711	95C0R3Q0V1530	J	15k 1/8W Metal Oxide	AB
R3712	95C0R3Q0V1530	J	15k 1/8W Metal Oxide	AB
R3713	95C0R372DR220	J	0.22 2W Metal Oxide	AH
R3714	95C0R3Q0V5610	J	560k 1/8W Metal Oxide	AB
R3715	95C0R391T5140	J	510k 1/4W Metal Oxide	AC
R3716	95C0R391T5140	J	510k 1/4W Metal Oxide	AC
R3717	95C0R391T5140	J	510k 1/4W Metal Oxide	AC
R3718	95C0R3Q0V2230	J	22k 1/8W Metal Oxide	AB
R3719	95C0R3Q0V2230	J	22k 1/8W Metal Oxide	AB
R3722	95C0R390T1040	J	100k 1/4W Metal Oxide	AF
R3723	95C0R3Q0V3330	J	33k 1/8W Metal Oxide	AB
R3724	95C0R3Q0V3330	J	33k 1/8W Metal Oxide	AB
R3726	95C0R391T4740	J	470k 1/4W Metal Oxide	AH
R3727	95C0R391T5640	J	560k 1/4W Metal Oxide	AC
R3728	95C0R391T5640	J	560k 1/4W Metal Oxide	AC
R3729	95C0R391T5640	J	560k 1/4W Metal Oxide	AC
R3730	95C0R3Q0V4730	J	47k 1/8W Metal Oxide	AH
R3731	95C0R3Q0V2240	J	220k 1/8W Metal Oxide	AB
R3733	95C0R3Q0V1010	J	100 1/8W Metal Oxide	AF
R3734	95C0R390T1840	J	180k 1/4W Metal Oxide	AC
R3735	95C0R390T1840	J	180k 1/4W Metal Oxide	AC
R3736	95C0R390T1840	J	180k 1/4W Metal Oxide	AC
R3737	95C0R3Q0V1540	J	150k 1/8W Metal Oxide	AB
R3739	95C0R3Q1V2210	J	220 1/8W Metal Oxide	AB
R3740	95C0R3Q3V1030	J	10k 1/10W Metal Oxide	AC
R3741	95C0R3Q0V1030	J	10k 1/8W Metal Oxide	AB
R3742	95C0R3Q1V1030	J	10k 1/8W Metal Oxide	AC
R3743	95C0R3Q0V5630	J	56k 1/8W Metal Oxide	AF
R3744	95C0R390T4710	J	470 1/4W Metal Oxide	AD
R3745	95C0R3Q3V2220	J	2.2k 1/10W Metal Oxide	AC
R3746	95C0R3Q3V8230	J	82k 1/10W Metal Oxide	AC
R3747	95C0R3Q3V6820	J	6.8k 1/10W Metal Oxide	AC
R3748	95C0R3Q3V3320	J	3.3k 1/10W Metal Oxide	AC
R3749	95C0R3Q0V3320	J	3.3k 1/8W Metal Oxide	AF
R3750	95C0R3Q0V1040	J	100k 1/8W Metal Oxide	AB
R3751	95C0R3Q0V1030	J	10k 1/8W Metal Oxide	AB
R3753	95C0R3Q0V1020	J	1k 1/8W Metal Oxide	AB
R3754	95C0R3Q0V1030	J	10k 1/8W Metal Oxide	AB
R3755	95C0R3Q0V3320	J	3.3k 1/8W Metal Oxide	AF
R3756	95C0R391T6840	J	680k 1/4W Metal Oxide	AC
R3757	95C0R3Q3V3940	J	390k 1/10W Metal Oxide	AC
R3758	95C0R3Q3V3940	J	390k 1/10W Metal Oxide	AC
R3759	95C0R3Q3V3340	J	330k 1/10W Metal Oxide	AF
R3760	95C0R3Q3V1030	J	10k 1/10W Metal Oxide	AC
R3761	95C0R3Q0V3310	J	330 1/8W Metal Oxide	AB
R3762	95C0R390T4720	J	4.7k 1/4W Metal Oxide	AC
R3763	95C0R390T5620	J	5.6k 1/4W Metal Oxide	AC
R3764	95C0R3Q0V5610	J	560 1/8W Metal Oxide	AB
R3765	95C0R3Q3V8220	J	8.2k 1/10W Metal Oxide	AC
R3766	95C0R3Q3V3930	J	39k 1/10W Metal Oxide	AC
R3768	95C0R3Q0V3320	J	3.3k 1/8W Metal Oxide	AF
R3769	95C0R3Q0V3320	J	3.3k 1/8W Metal Oxide	AF
R3771	95C0R3Q0V1030	J	10k 1/8W Metal Oxide	AB
R3772	95C0R390T5640	J	560k 1/4W Metal Oxide	AH
R3773	95C0R390T5640	J	560k 1/4W Metal Oxide	AH
R3774	95C0R390T5640	J	560k 1/4W Metal Oxide	AH
R3775	95C0R390T5640	J	560k 1/4W Metal Oxide	AH
R3776	95C0R3Q0V1030	J	10k 1/8W Metal Oxide	AB
R3777	95C0R3Q0V5620	J	5.6k 1/8W Metal Oxide	AB
R3778	95C0R3Q3V1520	J	1.5k 1/10W Metal Oxide	AC
R3779	95C0R3Q0V5630	J	56k 1/8W Metal Oxide	AF
R3781	95C0R3Q0V4710	J	470 1/8W Metal Oxide	AB
R3782	95C0R3Q0V1030	J	10k 1/8W Metal Oxide	AB
R3783	95C0R3Q0V1520	J	1.5k 1/8W Metal Oxide	AB
R3784	95C0R3Q0V2220	J	2.2k 1/8W Metal Oxide	AB
R3785	95C0R3Q0V3330	J	33k 1/8W Metal Oxide	AB
R3786	95C0R3Q3V1030	J	10k 1/10W Metal Oxide	AC
R3787	95C0R3Q1V1010	J	100 1/8W Metal Oxide	AB
R3788	95C0R3Q3V1220	J	1.2k 1/10W Metal Oxide	AC
R3789	95C0R3Q3V2220	J	2.2k 1/10W Metal Oxide	AC
R3790	95C0R3Q0V4720	J	4.7k 1/8W Metal Oxide	AB
R3791	95C0R3Q0V8200	J	82 1/8W Metal Oxide	AB
R3792	95C0R390T2220	J	2.2k 1/4W Metal Oxide	AC
R3793	95C0R390T2220	J	2.2k 1/4W Metal Oxide	AC
R3794	95C0R390T2220	J	2.2k 1/4W Metal Oxide	AC
R4701	95C0R391T4740	J	470k 1/4W Metal Oxide	AH
R4702	95C0R391T4740	J	470k 1/4W Metal Oxide	AH
R4703	95C0R390T3340	J	330k 1/4W Metal Oxide	AC
R4704	95C0R390T1000	J	10 1/4W Metal Oxide	AC
R4705	95C0R3Q0V3310	J	330 1/8W Metal Oxide	AB
R4706	95C0R3Q0V2230	J	22k 1/8W Metal Oxide	AB
R4707	95C0R3Q0V8220	J	8.2k 1/8W Metal Oxide	AB
R4708	95C0R3Q0V8220	J	8.2k 1/8W Metal Oxide	AB
R4709	95C0R3Q0V1000	J	10 1/8W Metal Oxide	AB
R4710	95C0R3Q0V1000	J	10 1/8W Metal Oxide	AB
R4711	95C0R3Q0V1530	J	15k 1/8W Metal Oxide	AB
R4712	95C0R3Q0V1530	J	15k 1/8W Metal Oxide	AB
R4713	95C0R372DR220	J	0.22 2W Metal Oxide	AH
R4714	95C0R3Q0V5610	J	560k 1/8W Metal Oxide	AB
R4715	95C0R391T5140	J	510k 1/4W Metal Oxide	AC
R4716	95C0R391T5140	J	510k 1/4W Metal Oxide	AC
R4717	95C0R391T5140	J	510k 1/4W Metal Oxide	AC
R4718	95C0R3Q0V2230	J	22k 1/8W Metal Oxide	AB
R4719	95C0R3Q0V2230	J	22k 1/8W Metal Oxide	AB
R4722	95C0R390T1040	J	100k 1/4W Metal Oxide	AF
R4723	95C0R3Q0V3330	J	33k 1/8W Metal Oxide	AB
R4724	95C0R3Q0V3330	J	33k 1/8W Metal Oxide	AB
R4726	95C0R391T4740	J	470k 1/4W Metal Oxide	AH
R4727	95C0R391T5640	J	560k 1/4W Metal Oxide	AC
R4728	95C0R391T5640	J	560k 1/4W Metal Oxide	AC
R4729	95C0R391T5640	J	560k 1/4W Metal Oxide	AC
R4730	95C0R3Q0V4730	J	47k 1/8W Metal Oxide	AH
R4731	95C0R3Q0V2240	J	220k 1/8W Metal Oxide	AB
R4733	95C0R3Q0V1010	J	100 1/8W Metal Oxide	AF
R4734	95C0R390T1840	J	180k 1/4W Metal Oxide	AC
R4735	95C0R390T1840	J	180k 1/4W Metal Oxide	AC
R4736	95C0R390T1840	J	180k 1/4W Metal Oxide	AC
R4737	95C0R3Q0V1540	J	150k 1/8W Metal Oxide	AB

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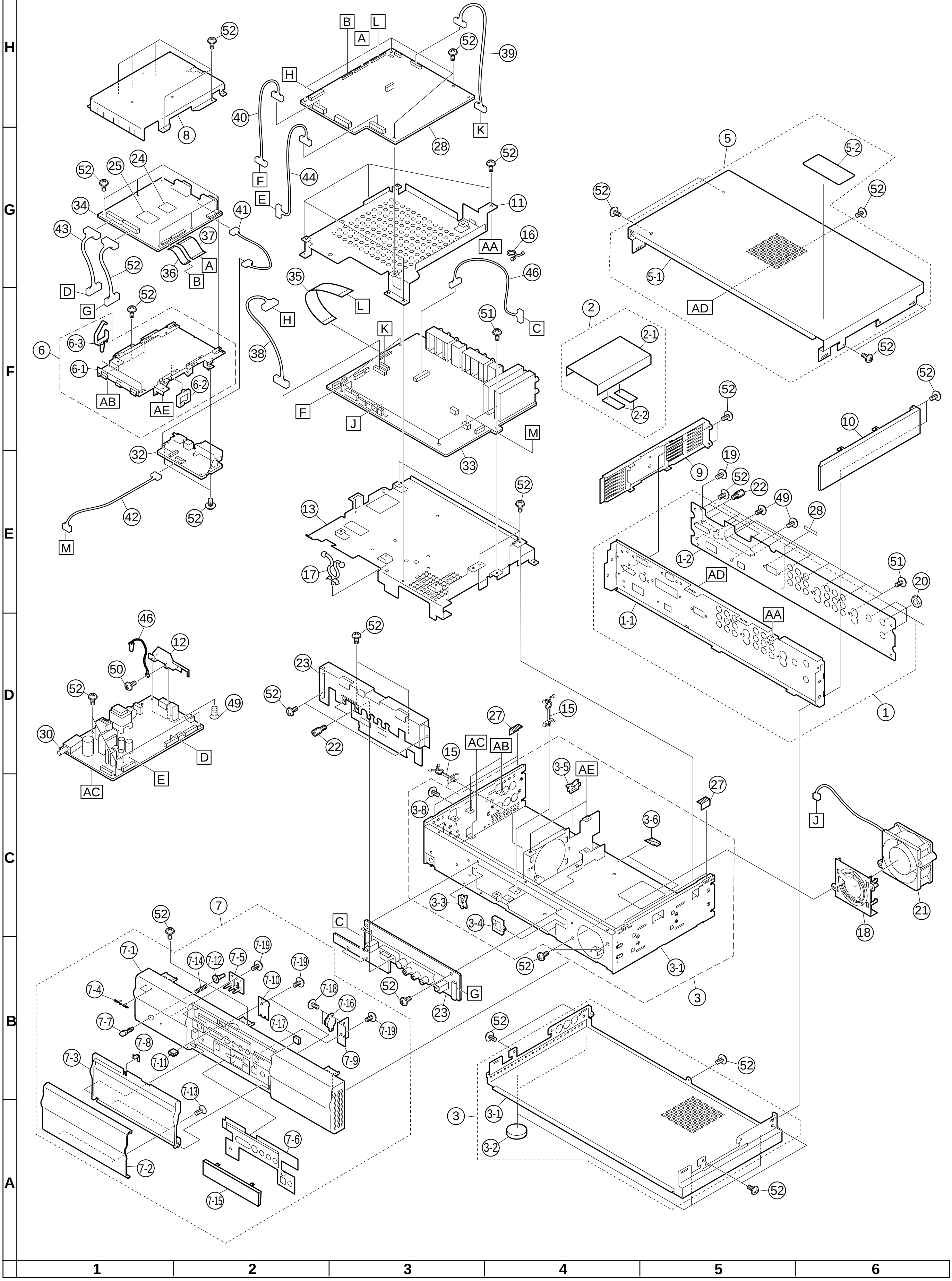
POWER UNIT (Display) (Continued)

Ref. No.	Part No.	★	Description	Code
R4739	95C0R3Q1V2210	J	220 1/8W Metal Oxide	AB
R4740	95C0R3Q3V1030	J	10k 1/10W Metal Oxide	AC
R4741	95C0R3Q0V1030	J	10k 1/8W Metal Oxide	AB
R4742	95C0R3Q1V1030	J	10k 1/8W Metal Oxide	AC
R4743	95C0R3Q0V5630	J	56k 1/8W Metal Oxide	AF
R4744	95C0R390T4710	J	470 1/4W Metal Oxide	AD
R4745	95C0R3Q3V2220	J	2.2k 1/10W Metal Oxide	AC
R4746	95C0R3Q3V8230	J	82k 1/10W Metal Oxide	AC
R4747	95C0R3Q3V6820	J	6.8k 1/10W Metal Oxide	AC
R4748	95C0R3Q3V3320	J	3.3k 1/10W Metal Oxide	AC
R4749	95C0R3Q0V3320	J	3.3k 1/8W Metal Oxide	AF
R4750	95C0R3Q0V1040	J	100k 1/8W Metal Oxide	AB
R4751	95C0R3Q0V1030	J	10k 1/8W Metal Oxide	AB
R4753	95C0R3Q0V1020	J	1k 1/8W Metal Oxide	AB
R4754	95C0R3Q0V1030	J	10k 1/8W Metal Oxide	AB
R4755	95C0R3Q0V3320	J	3.3k 1/8W Metal Oxide	AF
R4756	95C0R391T6840	J	680k 1/4W Metal Oxide	AC
R4757	95C0R3Q3V3940	J	390k 1/10W Metal Oxide	AC
R4758	95C0R3Q3V3940	J	390k 1/10W Metal Oxide	AC
R4759	95C0R3Q3V3340	J	330k 1/10W Metal Oxide	AF
R4760	95C0R3Q3V1030	J	10k 1/10W Metal Oxide	AC
R4761	95C0R3Q0V3310	J	330 1/8W Metal Oxide	AB
R4762	95C0R390T4720	J	4.7k 1/4W Metal Oxide	AC
R4763	95C0R390T5620	J	5.6k 1/4W Metal Oxide	AC
R4764	95C0R3Q0V5610	J	560 1/8W Metal Oxide	AB
R4765	95C0R3Q3V8220	J	8.2k 1/10W Metal Oxide	AC
R4766	95C0R3Q3V3930	J	39k 1/10W Metal Oxide	AC
R4768	95C0R3Q0V3320	J	3.3k 1/8W Metal Oxide	AF
R4769	95C0R3Q0V3320	J	3.3k 1/8W Metal Oxide	AF
R4771	95C0R3Q0V1030	J	10k 1/8W Metal Oxide	AB
R4772	95C0R390T5640	J	560k 1/4W Metal Oxide	AH
R4773	95C0R390T5640	J	560k 1/4W Metal Oxide	AH
R4774	95C0R390T5640	J	560k 1/4W Metal Oxide	AH
R4775	95C0R390T5640	J	560k 1/4W Metal Oxide	AH
R4776	95C0R3Q0V1030	J	10k 1/8W Metal Oxide	AB
R4777	95C0R3Q0V5620	J	5.6k 1/8W Metal Oxide	AB
R4778	95C0R3Q3V1520	J	1.5k 1/10W Metal Oxide	AC
R4779	95C0R3Q0V5630	J	56k 1/8W Metal Oxide	AF
R4781	95C0R3Q0V4710	J	470 1/8W Metal Oxide	AB
R4782	95C0R3Q0V1030	J	10k 1/8W Metal Oxide	AB
R4783	95C0R3Q0V1520	J	1.5k 1/8W Metal Oxide	AB
R4784	95C0R3Q0V2220	J	2.2k 1/8W Metal Oxide	AB
R4785	95C0R3Q0V3330	J	33k 1/8W Metal Oxide	AB
R4786	95C0R3Q3V1030	J	10k 1/10W Metal Oxide	AC
R4787	95C0R3Q1V1010	J	100 1/8W Metal Oxide	AB
R4788	95C0R3Q3V1220	J	1.2k 1/10W Metal Oxide	AC
R4789	95C0R3Q3V2220	J	2.2k 1/10W Metal Oxide	AC
R4790	95C0R3Q0V4720	J	4.7k 1/8W Metal Oxide	AB
R4791	95C0R3Q0V8200	J	82 1/8W Metal Oxide	AB
R4792	95C0R390T2220	J	2.2k 1/4W Metal Oxide	AC
R4793	95C0R390T2220	J	2.2k 1/4W Metal Oxide	AC
R4794	95C0R390T2220	J	2.2k 1/4W Metal Oxide	AC

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
BEA2713	95C0L551A0020	J	Ferrite Bead	AE
BEA2781	95C0L551A0020	J	Ferrite Bead	AE
BEA3701	95C0L551A0020	J	Ferrite Bead	AE
BEA3703	95C0L551A0020	J	Ferrite Bead	AE
BEA3704	95C0L3001ZQ003	J	Ferrite Bead	AD
BEA4701	95C0L551A0020	J	Ferrite Bead	AE
BEA4703	95C0L551A0020	J	Ferrite Bead	AE
BEA4704	95C0L3001ZQ003	J	Ferrite Bead	AD
⚠ F2701	95C0K718A4R00	J	Fuse, T2.5AH/250V	AH
⚠ F2702	95C0K718A4R00	J	Fuse, T2.5AH/250V	AH
FH2701	95C0M850A0010	J	Fuse Holder	AK
FH2702	95C0M850A0010	J	Fuse Holder	AK
FH2703	95C0M850A0010	J	Fuse Holder	AK
FH2704	95C0M850A0010	J	Fuse Holder	AK
CN2701	95CK2108SL001	J	Connector, NC-133L-D-1	AL
CN2702	95CK2120BS003	J	Connector, B5P (10-23579) S-VH	AN
CN2703	95C0K202B0020	J	Connector, B2B-PH-K-S	AK
CN2706	95CK2015BQ004	J	Connector, B4PS-TB-2	AG
CN2707	95CK2015BQ004	J	Connector, B4PS-TB-2	AG
CN2708	95CK2015BQ004	J	Connector, B4PS-TB-2	AG
CN3701	95CK2144BS007	J	Connector, S07B-PASK-2	AM
CN3702	95C0K225B0040	J	Connector, B4PS-VH	AL
CN4701	95C0K225B0040	J	Connector, B4PS-VH	AL
CN4702	95CK2025BQ003	J	Connector, B3PS-VH	AL
FG1	95C0K252P0040	J	Connector	AF
FG2	95C0K252P0040	J	Connector	AF
FG3	95C0K252P0040	J	Connector	AF
FG4	95C0K252P0040	J	Connector	AF
PTC3781	95C0D802A1100	J	PTH9M04BC222TS2F333	AM
PTC4781	95C0D802A1100	J	PTH9M04BC222TS2F333	AM

CABINET AND MECHANICAL PARTS (AVC System)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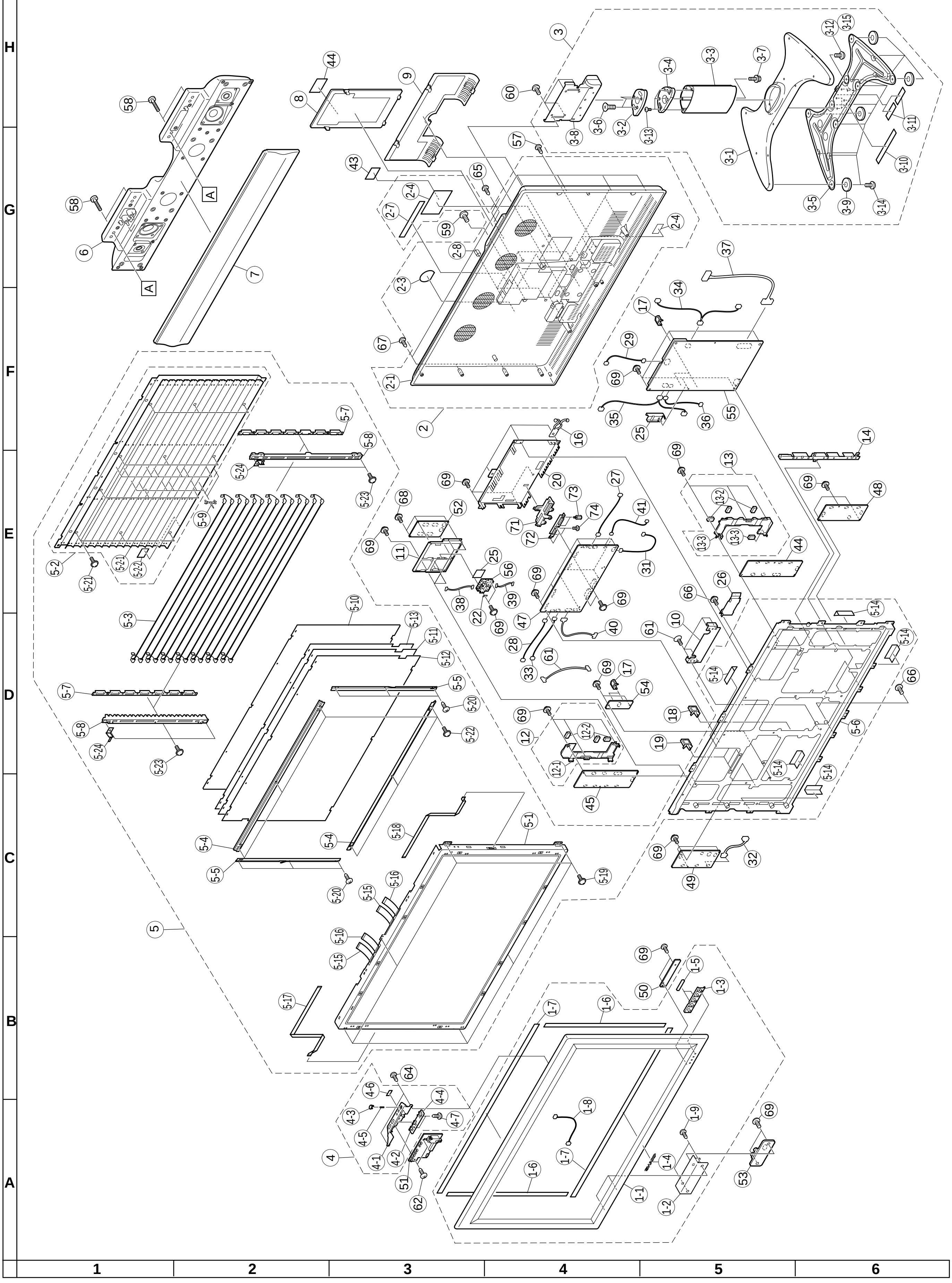
CABINET AND MECHANICAL PARTS
(AVC System)

Ref. No.	Part No.	★	Description	Code
1	CANGTA096WJ01	J	Rear Panel Ass’y	AV
1-1	*Not Available*	–	Rear Panel	—
1-2	HiNDPA647WJSA	J	Indication Label	AP
2	CANGTA098WJ01	J	Earth Angle Ass’y	AR
2-1	*Not Available*	–	Earth Angle	—
2-2	QEARZA010WJZZ	J	Conducive Spacer, x2	AK
3	CCABAA415WJ01	J	Chassis Frame Ass’y	BC
3-1	*Not Available*	–	Chassis Frame	—
3-2	LANGTA027WJFW	J	Stand Angle	AG
3-3	LHLDW1021GE00	J	Wire Holder(S), x1	AB
3-4	LHLDW1139CEZZ	J	Wire Holder(L), x1	AA
3-5	LHLDWA032WJZZ	J	Wire Holder	AD
3-6	PZETZA008WJZZ	J	Insulating Sheet	AK
3-7	QEARZA020WJFW	J	Grounding Part, x2	AC
3-8	XJPSN30P08XS0	J	Screw, x2	AA
4	CCABBA326WJ02	J	Bottom Cabinet Ass’y	AV
4-1	*Not Available*	–	Bottom Cabinet	—
4-2	GLEGGA034WJZZ	J	Leg, x4	AD
5	CCABBA329WJ01	J	Top Cabinet Ass’y	AW
5-1	*Not Available*	–	Top Cabinet	—
5-2	TCAUHA050WJZZ	J	Caution Label	AE
6	CANGTA083WJ01	J	PC I/F Bottom Shield Ass’y	AW
6-1	*Not Available*	–	PC I/F Bottom Shield	—
6-2	LHLDW1073GEZZ	J	Wire Holder, x1	AA
6-3	LHLDW1121GEZZ	J	Wire Holder, x1	AB
7	CPNLCA112WJ01	J	Front Panel Ass’y	BG
7-1	*Not Available*	–	Front Panel	—
7-2	GCOVAA288WJSA	J	Door Cover	AW
7-3	GDORFA018WJSA	J	Door	AN
7-4	HBDGBA013WJSA	J	Badge, "SHARP"	AK
7-5	HDECQA166WJSA	J	LED Cover	AF
7-6	HiNDPA290WJSA	J	Indication Label	AH
7-7	JBTN-2074CEKB	J	Power Button	AG
7-8	LANGF9552CESA	J	Angle, for Door	AC
7-9	LANGTA024WJFW	J	Angle, for Damper	AE
7-10	LANGTA047WJFW	J	Angle	AC
7-11	LHLDZ3057GEZZ	J	Magnet Holder	AE
7-12	LHLDZA138WJZZ	J	Button Holder	AE
7-13	LX-BZ3434CEFN	J	Screw, x2	AB
7-14	MSPRC0210CEFW	J	Spring, for Power Button	AB
7-15	PCOVPA014WJSA	J	Door Cover	AK
7-16	PDMPFA001WJZZ	J	Damper	AG
7-17	PSPAZ0457CESA	J	Spacer, for Door, x2	AA
7-18	XBPSN20P05000	J	Screw, x2	AA
7-19	XEBSN30P08000	J	Screw, x4	AA
8	CSLDMA254WJ01	J	PC I/F Top Shield	AV
9	GCOVAA243WJSA	J	Side Cover(L)	AN
10	GCOVAA244WJSA	J	Side Cover(R)	AN
11	LANGTA022WJFW	J	MAIN PWB Angle	AN
12	LANGTA084WJFW	J	AC Inlet Angle	AG
13	LANGTA101WJFW	J	AV PWB Angle	AP
14	LANGTA119WJFW	J	POWER PWB Shield Angle	AE
15	LHLDW1037CEZZ	J	Wire Holder, v2	AA
16	LHLDW1060CEZZ	J	Wire Holder, x1	AB
17	LHLDW1175CEZZ	J	Wire Holder, x1	AB
18	LHLDZ2156CEN2	J	Fan Holder	AH
19	LX-BZ3434CEFN	J	Screw, x2	AB
20	LX-NZ3047GEZZ	J	Nut, for Tuner	AA
21	NFANR0120CEZZ	J	Cooling Fan	AU
22	NSFTZ0134CEFW	J	Shaft Screw, x6	AD
23	PSLDMA345WJ01	J	Earth Shield	AS
24	PSPAZA121WJKB	J	Radiating Spacer	AT
25	PSPAZA122WJKB	J	Radiating Spacer	AK
26	PSLDMA148WJFM	J	DVI Shield	AD
27	QEARZ0056CEFW	J	Grounding Part	AC
28	*Not Available*	–	Serial No. Label	—
29	DUNTKC009FE04	–	MAIN Unit	—
30	DUNTKC015FE04	–	POWER Unit	—
31	DUNTKC069DE23	–	FRONT Unit	—
32	DUNTKC070DE03	–	AUDIO I/F Unit	—
33	DUNTKC083FE01	–	AV Unit	—
34	CPCi-A005WJ75	J	PC I/F Unit	CR
35	QCNW-A847WJQZ	J	Connecting Cord(Main-AV)	AE
36	QCNW-A848WJQZ	J	Connecting Cord (Main-PC I/F)	AE
37	QCNW-A849WJQZ	J	Connecting Cord (Main-PC I/F)	AE
38	QCNW-B610WJPZ	J	Connecting Cord(AV-Main)	AT
39	QCNW-B611WJPZ	J	Connecting Cord(AV-Main)	AQ
40	QCNW-B612WJQZ	J	Connecting Cord(AV-Main)	AK
41	QCNW-B615WJPZ	J	Connecting Cord (PC I/F-Audio I/F)	AP
42	QCNW-B616WJPZ	J	Connecting Cord (AV-Audio I/F)	AM
43	QCNW-B618WJPZ	J	Connecting Cord (POW-Main)	AP
44	QCNW-B619WJQZ	J	Connecting Cord (POW-PC I/F)	AS
45	QCNW-B620WJPZ	J	Connecting Cord (PC I/F-Front)	AP
46	QCNW-B625WJPZ	J	Connecting Cord	AE
47	QCNW-B833WJPZ	J	Connecting Cord(AV-Front)	AW
48	XBBSN30P06000	J	Screw, x2	AA
49	XBPSN30P06000	J	Screw, x3	AA
50	XBPSN40P06J00	J	Screw, x6	AA
51	XEBSN30P08000	J	Screw, x1	AA
52	XJPSN30P08XS0	J	Screw, x61	AA

CABINET AND MECHANICAL PARTS (Display)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CABINET AND MECHANICAL PARTS

(Display)

Ref. No.	Part No.	★	Description	Code
1	CCABAA245WJ02	J	Cabinet A Ass'y	BT
1-1	*Not Available*	–	Cabinet A	—
1-2	CANGKA183WJ01	J	Speaker Fixing Angle Ass'y	AH
1-2-1	*Not Available*	–	Speaker Fixing Angle	—
1-2-2	LHLDW1021GE00	J	Wire Holder, x1	AB
1-3	GCOVAA222WJSA	J	RC/LED Cover	AG
1-4	HBDGBA010WJSA	J	Badge, "SHARP"	AH
1-5	PSPAG0432CEUZ	J	Light Shielding Spacer	AA
1-6	PSPAHA195WJZZ	J	Mask Spacer-A, x2	AC
1-7	PSPAHA196WJZZ	J	Mask Spacer-B, x2	AD
1-8	QCNW-B583WJQZ	J	Connecting Cord	AN
1-9	XEBSN40P10000	J	Screw, x1	AB
2	CCABBA289WJ01	J	Cabinet B Ass'y	BL
2-1	*Not Available*	–	Cabinet B	—
2-2	GCOVAA454WJKA	J	Speaker Cover, x4	AC
2-3	HiNDP5733CESA	J	"AQUOS" Label	AD
2-4	HiNDPA603WJSA	J	Speaker Terminal Indication Label	AD
2-5	HiNDPA604WJSA	J	Cable Indication Label	AE
2-6	HiNDPA614WJSA	J	Model Label	AH
2-7	LHLDZ0132CEZZ	J	Speaker Fixing Holder, x4	AD
2-8	PCOVUA008WJZZ	J	Hole Cover A	AD
3	CDAi-0105WJ07	J	Stand Ass'y	BZ
3-1	GDAi-0105CESC	J	Stand, Base	BB
3-2	GCOVAA455WJKA	J	Support Cover	AK
3-3	GDAi-A085WJSA	J	Stand, Support	AY
3-4	LANGGA026WJFW	J	Swivel Angle	AM
3-5	LANGKA177WJSA	J	Base Angle	BB
3-6	LX-BZA042WJFN	J	Screw, x3	AB
3-7	LX-NZA013WJFN	J	Nut, x1	AE
3-8	MHNG-A055WJSA	J	Hinge Ass'y	BQ
3-9	PSPAZA092WJZZ	J	Leg-A, x4	AD
3-10	PSPAZA096WJZZ	J	Leg-B, x1	AD
3-11	PSPAZA097WJZZ	J	Leg-C, x2	AC
3-12	XCBS950P25000	J	Screw, x5	AC
3-13	XCSSN50P25000	J	Screw, x4	AB
3-14	XEBS940P08000	J	Screw, x12	AB
3-15	XWHS950-16120	J	Washer, x5	AA
4	CCOVAA308WJ02	J	Top Cover Ass'y	AW
4-1	*Not Available*	–	Top Cover	—
4-2	GCOVAA259WJKA	J	Button Cover, x2	AE
4-3	JBTN-A072WJKA	J	Power Button	AL
4-4	JBTN-A097WJKA	J	Control Button	AL
4-5	MSPRCA015WJFW	J	Spring, for Power Button	AB
4-6	PSPAGA024WJZZ	J	Spacer	AB
4-7	XEBSN30P08000	J	Screw	AA
5	*Not Available*	–	37" LCD Panel Unit Ass'y	—
5-1	RLCDTA018WJZZ	J	37" LCD Panel Unit	HG
5-2	CMiR-A024WJ01	J	Reflection Mirror Ass'y	BS
5-2-1	*Not Available*	–	Reflection Mirror	—
5-2-2	PSPAZA347WJZZ	J	Light Shielding Spacer-A, x1	AA
5-2-3	PSPAZA348WJZZ	J	Light Shielding Spacer-B, x1	AC
5-2-4	PSPAZA353WJZZ	J	Light Shielding Sheet-B, x1	AB
5-2-5	TCAUZA031WJZZ	J	Caution Label	AB
⚠ 5-3	KLMP-A025WJZZ	J	Lamp Unit	BB
5-4	LANGKA078WJFW	J	Sheet Fixing Holder(Top), x1	AL
5-5	LANGKA079WJFW	J	Sheet Fixing Holder (Bottom), x2	AH
5-6	LANGKA163WJFW	J	Panel Fixing Angle, x4	AD
5-7	LANGKA078WJ02	J	Sheet Fixing Holder, x1	AT
5-8	LCHSMA035WJZZ	J	Chassis Frame	BX
5-9	LHLDZA099WJKZ	J	Lamp Fixing Holder (Bottom), x2	AN
5-10	LHLDZA100WJKZ	J	Lamp Fixing Holder(Top), x2	AP
5-11	LHLDZA101WJKZ	J	Lamp Clip, x7	AD
5-12	LX-EZA007WJFN	J	Sheet Fixing Angle(Side), x2	AB
5-13	LX-HZA018WJFN	J	Screw, x6	AA
5-14	LX-HZA021WJFN	J	Screw, x12	AA
5-15	LX-JZA003WJFN	J	Screw, x2	AB
5-16	PCOVUA020WJZZ	J	Diffusion Panel	BE
5-17	PSHEPA115WJZZ	J	Prism Sheet	BR
5-18	PSHEPA116WJZZ	J	Reflection/Deflection Sheet	CD
5-19	PSHEPA117WJZZ	J	Diffusion Sheet	AX
5-20	PSPAHA111WJZZ	J	Spacer, x6	AC
5-21	PSPAZA352WJZZ	J	Light Shielding Sheet-A, x1	AB
5-22	QCNW-A480WJZZ	J	Connecting Cord	AM
5-23	QCNW-A481WJZZ	J	Connecting Cord	AM
5-24	QCNW-B678WJQZ	J	Connecting Cord	AK
5-25	QCNW-B679WJQZ	J	Connecting Cord	AL
5-26	XBPSN40P10JS0	J	Screw, x6	AA
5-27	XEBSN30P06000	J	Screw, x4	AA
5-28	XJPSN30P08XS0	J	Screw, x4	AA
6	RSP-ZA039WJN2	J	Speaker	BQ
7	CPNLSA009WJ01	J	Speaker Net Ass'y	BL
8	GCOVAA226WJKA	J	Terminal Cover(Upper)	AU
9	GCOVAA235WJKA	J	Terminal Cover(Lower)	AW
10	LANGKA076WJFE	J	Reinforcement Angle	AM
11	LANGKA209WJFW	J	PWB Angle	AR
12	CHLDZA177WJ05	J	FPC Holder(L) Ass'y	AP
12-1	*Not Available*	–	FPC Holder(L)	AH
12-2	LHLDWA024WJZZ	J	Wire Holder, x3	AE
13	CHLDZA177WJ06	J	FPC Holder(R) Ass'y	AP
13-1	*Not Available*	–	FPC Holder(R)	—
13-2	LHLDWA012WJKZ	J	Wire Holder, x1	AC
13-3	LHLDWA024WJZZ	J	Wire Holder, x3	AE
14	CHLDZA224WJ01	J	Holder Ass'y	AN
14-1	*Not Available*	–	Holder	AG
14-2	LHLDW1182CEZZ	J	Wire Holder, x	AC
14-3	LHLDWA012WJKZ	J	Wire Holder, x1	AC
14-4	LHLDWA013WJKZ	J	Wire Holder, x3	AC
16	LHLDW1046CEZZ	J	Wire Holder, x4	AA
17	LHLDW1076GEZZ	J	Wire Holder, x2	AA
18	LHLDWA012WJKZ	J	Wire Holder, x1	AC
19	LHLDWA013WJKZ	J	Wire Holder, x3	AC
20	CSLDMA242WJ01	J	MAIN PWB Shield Ass'y	AR
21	PSLDMA245WJFW	J	Shield, for AUDIO PWB	AD
22	PSPAZA338WJKZ	J	Radiating Spacer, x1	AF
23	PSPAZA339WJKZ	J	Radiating Spacer, x1	AQ
24	PSPAZA365WJKZ	J	Radiating Spacer, x1	AS
25	PZETKA030WJKZ	J	Insulating Spacer, x1	AG
26	PZETKA037WJKZ	J	Insulating Spacer, x1	AN
27	QCNW-B577WJQZ	J	Connecting Cord (MONI-INV1)	AK
28	QCNW-B578WJQZ	J	Connecting Cord (MONI-INV3)	AK
29	QCNW-B579WJQZ	J	Connecting Cord (POW-MONI)	AK
30	QCNW-B580WJPZ	J	Connecting Cord (MONI-RC)	AM
31	QCNW-B581WJQZ	J	Connecting Cord (MONI-SW)	AG
32	QCNW-B582WJQZ	J	Connecting Cord (INV1-INV3)	AP
33	QCNW-B584WJQZ	J	Connecting Cord (MONI-AUDIO)	AK
34	QCNW-B585WJQZ	J	Connecting Cord (POW-INV1/2)	AK
35	QCNW-B677WJQZ	J	Connecting Cord (POW-INV3/4)	AN
36	QCNW-B587WJQZ	J	Connecting Cord (POW-AUDIO)	AH
37	QCNW-B223WJZZ	J	Connecting Cord (SW-POW)	AM
38	QCNW-B841WJQZ	J	Connecting Cord (AUDIO-1Bit)	AH
39	QCNW-C090WJZZ	J	Connecting Cord (AUDIO-1Bit)	AQ

CABINET AND MECHANICAL PARTS
(Display)

Ref. No.	Part No.	★	Description	Code
40	QCNW-B590WJQZ	J	Connecting Cord (MONI-AUDIO)	AH
41	QCNW-B591WJQZ	J	Connecting Cord (AUDIO-SPJ)	AK
42	QCNW-B593WJQZ	J	Connecting Cord (INV4-AUDIO)	AD
43	*Not Available*	–	Serial No. Label	—
45	DUNTKB955DE04	–	INVERTER-1 Unit	—
46	DUNTKB956DE04	–	INVERTER-3 Unit	—
47	DKEYHC016FE53	–	MONITOR Unit	—
48	DUNTKC019DE04	–	INVERTER-2 Unit	—
49	DUNTKC020DE04	–	INVERTER-4 Unit	—
50	DUNTKC021DE04	–	R/C,LED Unit	—
51	DUNTKC022DE04	–	KEY Unit	—
52	DUNTKC023DE04	–	AUDIO Unit	—
53	DUNTKC024DE04	–	SPEAKER JACK Unit	—
54	DUNTKC027DE04	–	THERMISTOR Unit	—
55	RDENCA032WJZZ	–	POWER Unit	—
56	B2SX4102BU (A2SX4102BU)	J	1 Bit Amplifier Unit	BL
57	XBBS930P08000	J	Screw, x2	AA
58	XEBS940P25000	J	Screw, x4	AB
59	XBBS950P12000	J	Screw, x2	AB
60	XBBSN50P12JS0	J	Screw, x4	AF
61	XBSS940P08000	J	Screw, x4	AA
62	XEBSN30P08000	J	Screw, x2	AA
64	XEBSN30P10000	J	Screw, x2	AA
65	XEBS930P10000	J	Screw, x1	AA
66	XEBS940P16000	J	Screw, x3	AB
67	XBBS940P25000	J	Screw, x13	AB
69	XHPSN30P08JS0	J	Screw, x2	AB
70	XJPSN30P08XS0	J	Screw, x11	AA
71	GCOVAA465WJKA	J	Panel Link Cover	AH
73	NSFTZ0134CEFW	J	Shaft Screw, x2	AD
74	LX-BZ3434CEFN	J	Screw, x2	AB
75	LX-HZA016WJFN	J	Screw, x20	AA
76	LX-HZA017WJFN	J	Screw, x14	AA
77	RCORFA006WJZZ	J	Core	AH
78	RCORFA007WJZZ	J	Core	AK

ACCESSORIES

Ref. No.	Part No.	★	Description	Code
	LHLDW0110CEZZ	J	Wire Holder(Large), x1	AE
	LHLDZ0139CEZZ	J	Wire Holder(Small), x1	AD
⚠	QACCD3097CEPZ	J	AC Cord(for AVC System	AQ
⚠	QACCDA019WJPZ	J	AC Cord(for Display)	AW
	QCNW-A342WJZZ	J	RF Cable	AL
	QCNW-B856WJZZ	J	System Cable	BE
	RRMCGA203WJSA	J	Remote Control Unit	BQ
	TCADEA028WJZZ	J	Questionnaire Card	AE
	TiNS-A904WJZZ	J	Operation Manual	AZ
	GDAi-A059WJSA	J	Stand Unit(for AVC System)	AV
	GLEGGA013WJZZ	J	Stand Cushion, x4	AC
	PSPAHA101WJZZ	J	Stand Spacer, x4	AB
	XBPSN40P14JS0	J	Stand Screw, x2	AB

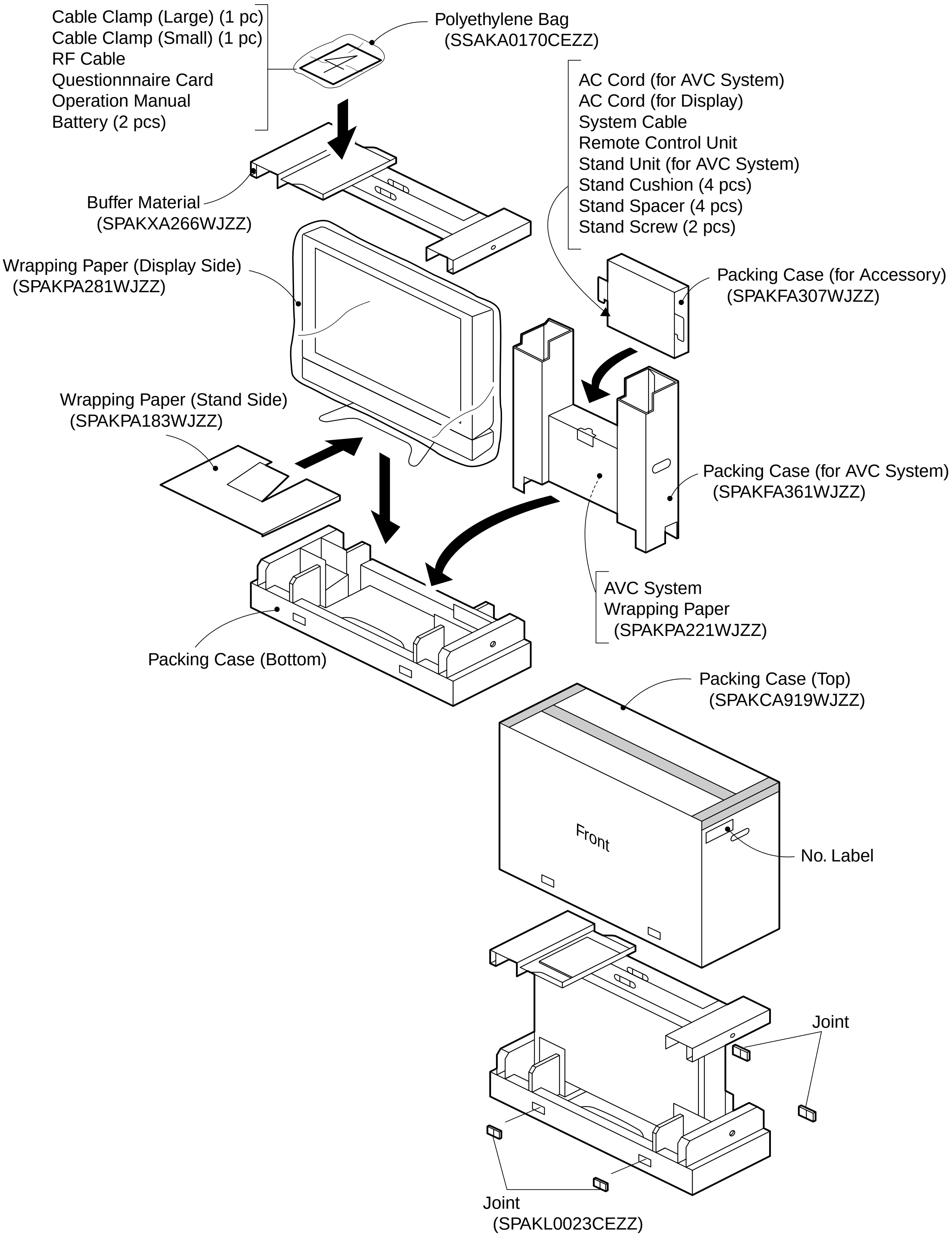
PACKING PARTS
(NOT REPLACEMENT ITEM)

Ref. No.	Part No.	★	Description	Code
	SPAKCA919WJZZ	–	Packing Case	—
	SPAKFA307WJZZ	–	Packing Case (for Accessory)	—
	SPAKFA361WJZZ	–	Packing Case (for AVC System)	—
	SPAKL0023CEZZ	–	Joint, x4	—
	SPAKPA183WJZZ	–	Wrapping Paper(Stand Side)	—
	SPAKPA221WJZZ	–	Wrapping Paper (for AVC System)	—
	SPAKPA281WJZZ	–	Wrapping Paper (Display Side)	—
	SPAKXA266WJZZ	–	Buffer Material	—
	SSAKA0170CEZZ	–	Polyethylene Bag, x3	—
	TLABK0001TAZZ	–	No. Label, x2	—
	TLABK0023TAZZ	–	Bar Code Label	—

SERVICE JIGS

Ref. No.	Part No.	★	Description	Code
	QCNW-B242WJZZ	J	Extension Cable(30-pin), x2 Main(CN4101, CN4102)-LCD	AZ
	QCNW-B244WJZZ	J	Extension Cable(5-pin), x1 MAIN(CN7704)-INV1	AM
	QCNW-B245WJZZ	J	Extension Cable(5-pin) MAIN(CN7705)-INV3	AN
	QCNW-B246WJZZ	J	Extension Cable(6-pin) MAIN(CN7707)-POWER	AP
	QCNW-B247WJZZ	J	Extension Cable(7-pin), x2 POWER(CN4701)-INV1/2	AM
	QCNW-B248WJZZ	J	Extension Cable(4-pin) POWER(CN3702)-INV3/4	AM

PACKING OF THE SET


Cable Clamp (Large) (1 pc)
Cable Clamp (Small) (1 pc)
RF Cable
Questionnnaire Card
Operation Manual
Battery (2 pcs)
Polyethylene Bag (SSAKA0170CEZZ)
AC Cord (for AVC System)
AC Cord (for Display)
System Cable
Remote Control Unit
Stand Unit (for AVC System)
Stand Cushion (4 pcs)
Stand Spacer (4 pcs)
Stand Screw (2 pcs)
Buffer Material (SPAKXA266WJZZ)
Wrapping Paper (Display Side) (SPAKPA281WJZZ)
Packing Case (for Accessory) (SPAKFA307WJZZ)
Wrapping Paper (Stand Side) (SPAKPA183WJZZ)
Packing Case (for AVC System) (SPAKFA361WJZZ)
AVC System Wrapping Paper (SPAKPA221WJZZ)
Packing Case (Bottom)
Packing Case (Top) (SPAKCA919WJZZ)
Front
No. Label
Joint
Joint (SPAKL0023CEZZ)

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TQ1689-S
Jan. 2004 Printed in Japan

Design and Production Information	
Design	: Japan
Production	: Japan

SY. KG

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Yaita, Tochigi 329-2193, Japan